



## **LBNL Stimulus Projects Management Plan**

### **Plan Objective**

LBNL anticipates the receipt of upwards of \$230 million in ARRA funding beginning April 2009 for a variety of projects, designated Stimulus Projects. It is expected that all project funds need to be obligated by DOE into Contract 31 by September 30, 2010. LBNL has up to five years from the date of obligation—or September 30, 2015—to spend the funds. The projects range from conventional facilities in nature (e.g. new construction, building renovation, building replacement, utilities, and energy conservation) to additional project support for research in the fields of advanced computing, materials, energy, and biology.

The objective of this Management Plan is to identify protocols and processes to complete all projects safely; within budget, scope, and schedule; and in compliance with DOE requirements. Once proper assurances are documented and provided to DOE and the appropriate Contract 31 clauses are invoked, LBNL needs to manage the projects with a sense of urgency, and project teams need to commence the work immediately.

This is an evolving Management Plan. As the number, size, and type of Stimulus Projects are known, the Management Plan will be updated. The Plan will also be updated periodically based on evolving guidance from DOE.

### **Stimulus Steering Committee**

LBNL has established an Stimulus Steering Committee to provide oversight of the Stimulus Program at LBNL. The Committee will provide oversight for risk management and change control. Project teams will report project performance and risks at least quarterly. Members include the Berkeley Site Office (BSO) Manager, BSO Division Director for Projects and Facilities, the LBNL Chief Operating Officer (COO), Deputy COO, Chief Financial Officer (CFO), Internal Audit Services, Chief Human Resources Officer, Public Affairs Department Head, Facilities Division Director, Environment, Health & Safety (EH&S) Division Director, Budget Officer, Procurement Department representatives, scientific division representation, and others as appropriate. The Committee Charter is attached (Attachment 1).

### **Human Resources**

LBNL, for internal tracking purposes only, will utilize Human Resources' processes and systems to capture internal ARRA headcount hires. New hires will be tracked by distinct job opening codes that will be used consistently throughout LBNL systems.

### **Project Management**

Depending on the size of the ARRA program and projects approved, project teams will be established to manage the procurement, design, and execution. The project team is responsible for the overall success of the project (safety, scope, schedule, budget, and client relationship) and for compliance with all pertinent contractual (e.g., DOE Order 413.3A) and regulatory requirements, including the following:

- Setting up separate project IDs for ARRA-funded projects or ARRA-designated tasks when projects include both ARRA and non-ARRA funding (i.e. construction and D&D projects such as Bevatron, BELLA, Seismic Phase 2)
- Accurately segregating costs incurred on ARRA-funded projects or ARRA-designated tasks when projects include both ARRA and non-ARRA funding
- Ensuring that costs charged to ARRA-designated project IDs are for items delivered and/or work performed that satisfies a purpose, and is within the scope, authorized by the sponsor under ARRA.

### **Change Control**

Changes to ARRA-funded projects inclusive of scope, schedule, and budget will be presented to the Stimulus Steering Committee for review and approval. The Stimulus Steering Committee will work with the project team members to make appropriate formal notifications to DOE.

### **Conventional Facilities Projects**

Facilities is responsible for two types of ARRA projects: Line Item Projects (greater than \$5M) and General Plant Projects (GPP) Projects (less than \$5M). The plan outlined below describes the management approach for the Line Item Projects. Detailed information on the GPP projects is contained in the ARRA GPP Project Management Plan (Attachment 4).

Conventional facilities projects will be executed by the Facilities Division. The Capital Projects and Small Projects departments within Facilities will lead these projects. Staffing of the teams will be a combination of term employees and contract employees. Team composition will include a Project Director (LBNL Career Employee), Project Manager (PM), Construction Manager (CM), Project Coordinator, and Project Controls. Project teams will have the benefit of existing project management, procurement, EH&S and financial systems, and will be assigned to Stimulus projects as a first priority.

Some of the projects in the Stimulus Program are bound by DOE Project Management Order 413.3A. For projects that are provided accelerated funding (e.g., USB and Seismic Phase 2), the existing project teams will continue to manage the projects. For projects with Total Project Cost (TPC) over \$5 million, which are bound by DOE Order 413.3A, project teams will use a tailored approach to the Order (e.g., Design-Build). For projects with TPC under \$5 million, 413.3A is not required. These projects will use the new Capital Projects and Small Projects Procedures as applicable.

Facilities currently has one contract in place for PM and CM services as well as pre-design services (scoping). This contract is being utilized to staff the project teams. All new employees, whether contract or term, shall utilize LBNL's Job Hazards Analysis (JHA) process for training requirements as well as reviewing all Capital Projects and Small Projects procedures.

Facilities and Procurement will continue to develop any necessary blanket agreements for PMs and CMs so contract employees can be quickly acquired. Facilities will continue to review PM resumes from other DOE Laboratories.

### **Delivery Method and Procurement**

All conventional facilities projects shall require the services of Architecture/Engineering (A/E) teams and Construction Contractors (subcontractors). The Stimulus Program requires aggressive execution in a very timely manner. The acceptable delivery methods for responding to three criteria—the 18-24 month project schedule and the proposed project types and sizes—are:

- Job Order Contracting (JOC)
- Contract Labor
- Design-Build

The benefit of a JOC results from competitively awarded contracts that are already in place with pricing that is known advance. Facilities currently has two Job Order Contracts. A third JOC to a small business is being actively pursued and should be available shortly. A fourth is being evaluated for an expedited bid process. Project size and types best suited for JOC include small- to medium-sized renovations projects (TPC under \$5 million).

Currently, Facilities has a Contract Labor agreement in place. Project size and types best suited for Contract Labor projects include site utility, site development (pipelines and roadways), and small renovation projects.

For the JOC and Contract Labor delivery methods, A/E services will need to be procured via existing blanket agreements.

Design-Build is a delivery method where the A/E is under contract with the Construction Contractor (versus Design-Bid-Build where the A/E is under contract with the Lab). The benefit of Design-Build is quicker execution of work. In addition, DOE Order 413.3A allows for this delivery method, and LBNL staff has some experience with Design-Build (e.g., USB project). One downside of Design-Build however, is that the Construction Contractor is in greater control of the quality of materials and equipment. The Project teams and design reviewers need to carefully review the design submittals and inspect the construction work.

### **Construction Management & Inspection**

In Facilities, Construction Managers manage the day-to-day activities of construction contractors in the field. This is a key position, ensuring that projects are executed safely and within scope. Inspectors are responsible for quality assurance, and they ensure projects are executed in accordance with building codes and contract requirements.

The Stimulus Projects will use the existing construction management and inspection programs within Facilities. Facilities will have two to three months before construction activities begin to acquire construction managers and inspectors (i.e., contract labor) to dedicate to the project teams.

Facilities will staff the project teams with construction managers via the PM/CM blanket agreements. Additional inspectors will be contracted via the current inspection services agreement. Additional resources for the administrative management of the Contract Labor (GSE) expansion will be identified and acquired.

### **Environment, Health & Safety (EH&S)**

The Environment, Health & Safety (EH&S) Division has a Facilities Project Coordinator who is responsible for coordinating design and construction reviews with the EH&S subject matter experts and updating the team as to the status of the assigned project. The mix of subject matter expertise varies from project to project and during the execution of a given project. These aspects will be managed by the EHS Facilities Project Coordinator in consultation with Facilities project management staff and EHS SMEs. Some projects will require a full time project EHS lead depending on size and complexity. EHS management will provide internal LBNL resources or arrange for external support for projects and manage the resources that are brought in for these purposes. The interface between Facilities and EHS is defined by the Interface Policy between EH&S and Facilities Project Support. For research and development related ARRA projects, EHS will provide oversight and support based on the needs of the research divisions.

All ARRA projects will be subject to the same ES&H policies and procedures as other work conducted at LBNL. These include applicable standards in the UC/DOE contract, external regulatory standards as they

relate to the Laboratory, the LBNL Integrated ES&H Management Plan (Pub 3140), applicable elements of the Health and Safety Manual (Pub 3000), the UC Assurance Plan for LBNL (Pub 5520), and Operating and Quality Management Plan, Rev 10 (Pub 3111).

Emergency response and police services will be provided for ARRA projects as necessary in a manner consistent with the balance of the Laboratory.

All projects shall undergo some level of California Environmental Quality Act (CEQA) or National Environmental Policy Act (NEPA) review. Most renovation, utility, and roadway projects will be Ce/Cx, and their reviews will be quick. Building replacement projects may be Ce/Cx but need further and careful review. If any of the projects require greater evaluation than Ce/Cx (e.g., environmental assessment [EA]), the project schedule may be impacted. A preliminary review of all projects prior to initiation will be required to determine potential schedule impact and project feasibility. Once the Stimulus Projects are known and funded, LBNL will either have in-house or consultant reviews of projects for the appropriate level of CEQA/NEPA review needed.

### **Design Standards, Reviews, and Approvals**

Current LBNL Design Standards shall be used for all Stimulus Projects. A/E and Construction Contractors shall be encouraged to critique the standards and offer higher value solutions. Updated standards shall be shared with all project teams.

All Stimulus Projects shall submit designs for review and approval at least once in the design cycle. Final design sign-offs shall be used per the Facilities Planning Group and the Facilities Capital Projects Department or Small Projects Department procedures.

For any Stimulus Project that affects the external environment (building mass, color, material, fenestration), there shall be a 50% design review presented to the Stimulus Steering Committee for consideration and approval.

### **Project Team Reporting**

Projects that are bound by DOE Order 413.3A shall use EVMS (Earned Value Management System) and report to Facilities and DOE accordingly (TPC greater than \$5 million). Projects with a TPC less than \$5 million shall use the Project Workbook and report to Facilities and DOE accordingly. Project risks and mitigations shall also be presented.

### **Risk Management**

Managing project risks will be key to the success of the Stimulus Program. For Stimulus Projects that are provided accelerated funding and for projects bound by DOE Order 413.3A, a Risk Management Plan is required, along with a Risk Registry and Contingency Analysis. For projects with TPC less than \$5 million, a tailored approach needs to be developed. In either case, Risk Registries will be updated monthly and results presented to Facilities.

Risks specific to unique Recovery Act requirements will be identified, assessed, and mitigated, to the extent feasible, as soon as requirements are known. Controls established to ensure unique Recovery Act requirements are managed properly will be separately identifiable and evaluated as required.

## **Procurement**

Procurement is working closely with Facilities, both Capital Projects and the Small Projects, and the science divisions to tailor its efforts to best fit the final list of funded projects. The plan is to make full use of existing competitively bid contractual arrangements and to add resources as necessary to enable effective turnaround of subcontracting efforts.

### A/E Resources (Master Task Agreements [MTA]) Currently in Place

1. Blanket subcontract with RMW Architects for program, project, and construction management. This agreement has one more option year, which can be exercised, and is used for everything except Title I and II design services. RMW can be used to supplement in-house staff.
2. Multi-disciplinary A/E subcontracts: LBNL currently has competitively awarded blankets with five small businesses. LBNL plans to open up a dialogue with these companies so that their services and pricing are also consistent with Small Project needs.
3. Structural engineering, plan check services, and estimating services: LBNL recently competitively awarded new MTAs for these services.

### Additional A/E Needs and Plans for Obtaining Them

1. Electrical/Mechanical Engineering Services: This is underway, but submittals have not been received. Lead time: 45 days.
2. Additional Multi-disciplinary A/E services: LBNL may need to request additional submittals on a competitive basis in order to award an MTA to one or more large A/E firms. Lead time: 45 days.

### Construction Resources Currently in Place

1. Labor Only agreement with GSE for labor hour construction services.
2. Job Order Contracts with Crouse Construction and Gwinn Construction.

### Additional Construction Needs and Plans for Obtaining Them

1. LBNL is negotiating to award an additional JOC subcontract to the third-ranked small business from the recent competition. Lead time: 2 weeks.
2. A small business source for project management services has been identified.

### Reporting on Subcontracting

1. Procurement will include appropriate provisions in ARRA-funded subcontracts and compile information biweekly on subcontracts based on requirements of the H.999 provision to support reporting requirements.
2. Procurement will review transactions under \$25,000 on a quarterly basis to assess needs for special reporting on repetitive requirements.

### Plans for Acquiring Additional Procurement Staff

1. Procurement will acquire additional staff needed to meet long-term ARRA subcontracting workload (administration through 2015) with hiring to be approved based on assessment of concurrent attrition projections.
2. LBNL can also supplement procurement resources through one or more of the following:

- Diversion of staff personnel with construction experience to construction projects, if necessary
- Use of temporary labor through OSI
- Obtain assistance from LLNS and/or UC
- Invoke a temporary increase in P-card limits to \$25,000 (thereby permitting diversion of in-house staff to critical needs, such as ARRA).

#### Buy American Act

Existing practice solicitations include requirements for certifying use of domestic products and identifying any proposed introduction of foreign product. LBNL does not foresee exceptional ARRA-related Buy American issues, and non-compliance in construction projects is extremely rare. Any discovered non-compliance would be addressed as currently handled, by requiring removal and replacement for domestic product. Circumstances arising with non-availability of equivalent domestic products will be processed as required under the Act.

### **Reporting Strategy & Tracking**

LBNL has extrapolated Laboratory requirements by reviewing evolving guidance, including the initial OMB Guidance to Agencies and DOE guidance from various sources. A dedicated Budget Office manager has been assigned for all the Stimulus Projects to assure compliance with budget guidance. LBNL will determine if additional personnel need to be hired, or if current employees can be re-assigned.

#### Basic Assumptions

- LBNL is segregating all ARRA funding and costs incurred in financial systems
- LBNL built an ARRA database by (extracting or inputting) ARRA-only data to meet specialized ARRA reporting requirements
- LBNL is constrained by current labor/effort system—no weekly feeder capability
- LBNL as “prime” recipient of DOE Direct ARRA funding will have to collect ARRA costs/reporting data from our subcontractors
- LBNL as a subcontractor of other prime recipients will have to report ARRA data to our sponsors

#### Controls

- ARRA funds control can be achieved utilizing current Laboratory funds control processes and systems because ARRA financial funding and costing data will be tracked and accumulated via a separate and distinct funding chart string that will be used consistently throughout LBNL systems (fund type, B and R, BRN, BRNsub, Program Task [Project Code]). The unique funding string will be associated with a unique, high-detail financial project for each ARRA-funded DOE Direct project and a unique award for each ARRA-funded Sponsored Project.
- ARRA Management and Control Reporting will be done from a single institutional ARRA database to ensure reporting consistency. The database will include baseline (plan) data elements and actual data elements so that actuals can be easily tracked against baseline data for control purposes. A cross-functional Reporting Stimulus team has been formed to build the institutional reporting database. The team has broken into seven sub-teams to address segments of ARRA reporting requirements. The sub-teams are:
  - Procurement
  - Accounts Payable
  - WFO Requirements
  - Recovery Header System Design and Implementation
  - Reporting
  - Workflow

- Data Element Identification and Sourcing.  
See attached Data elements spreadsheet based on guidance from OMB dated 6/22/09(Attachment 2).
- Various control reports will be produced from the database, including a monthly ARRA status report, by project, for review by the Stimulus Steering Committee, LBNL senior management, UCOP, and BSO. LBNL envisions the capability to source from the database for the FederalReporting.gov report template which has yet to be defined.
- FTE reporting will be handled consistently through the application of standardized institutional conversion factors which convert subcontractor reported hours and purchases to FTEs for purposes of reporting Jobs data. See attached memos detailing factors (Attachment 3).
- Training sessions were held in June, July and August for all resource analysts and business managers (and PI's). The comprehensive training covered all aspects of ARRA reporting and funds management. A separate quarterly reporting training was conducted in September.

#### Follow-up Issues

- Consistency of reporting requirements (e.g., EM Reporting)
- Divisional training sessions on ARRA reporting requirements will be scheduled as appropriate.

### **Internal Audit and Oversight**

To ensure that LBNL is in compliance with all requirements of ARRA, the Stimulus Steering Committee includes a member from Internal Audit Services (IAS). IAS has been working with the DOE Inspector General to address internal review requirements and expectations. The DOE IG has requested that contractor internal auditors include audit coverage of risks associated with compliance with ARRA requirements in their audit effort for the remainder of FY 2009 and FY 2010.

To support that request, IAS performed an Advisory Service review for LBNL's efforts to-date around Stimulus Funding. The review began in the third quarter of FY 2009 and was completed at the end of FY 2009. A report was issued in October 2009. The objective of the review is to provide input to LBNL management on implementation of internal controls to ensure that LBNL complies with the unique requirements associated with ARRA funding. Based on a preliminary review of these requirements, IAS provided input on controls in the following areas:

- Segregation of costs incurred with ARRA funding, especially where ARRA funding was an augmentation of existing non-ARRA funding.
- Implementation of the ARRA Whistleblower provisions at LBNL.
- Procurement Department's implementation of "Buy American" provision for construction materials and new flow-down requirements for subcontractors who are sub-recipients of ARRA funding
- Generation of timely and reliable reporting on use of ARRA funding, including identification and tracking of tangible accomplishments, costs expended, and jobs created or retained.
- Development of LBNL policies and procedures relative to unique ARRA requirements.

In addition, IAS facilitated a review by a member of UCOP's Contract Assurance Council and provided information on perceived risk areas in complying with unique ARRA requirements. In FY 2010 IAS will perform a compliance audit to assess compliance with DOE and OMB ARRA requirements, along with an evaluation of the adequacy of and compliance with any LBNL internal controls established to ensure compliance with ARRA expenditure and reporting internal controls.

## Risks

- Construction truck trips at LBNL are managed individually by the project management teams and as a program by the Site Construction Coordinator. Increasing average truck trips is being reviewed and may change to 49 trips per day (vs. 33). Complete by June 1, 2009. (Medium risk factor). [Truck trip maximum has been increased to 49 trips per day; risk retired.]
- GPP projects are renovation or replacement in scope. While it is believed a NEPA Cx is applicable to the projects, if an EA is necessary, this may put schedule performance at risk. Time to complete: 1 month. (Low risk factor) – [All ARRA GPP projects approved to date are NEPA Cx; risk retired.]
- Identification of additional Construction Managers, inspectors, IH, radiation protection, construction safety, project controls, and procurement support in progress. We are initiating the process to hire term or contract CMs. Time to complete: 1-3 months. (Low to medium risk factor) [Full project teams are in place; risk retired]
- For Stimulus Projects that provide accelerated funding and for projects bound by DOE Order 413.3A, a Risk Management Plan is required along with a Risk Registry and Contingency Analysis. For projects with TPC less than \$5 million a tailored approach will be developed. In either case, Risk Registries will be updated monthly and results presented to the Stimulus Steering Committee. [Project teams are meeting weekly, at least, to review scope, schedule and cost performance as well as risks; risk is being managed.]
- Garnering support from local residents, neighbors, and the political community for Stimulus-funded work. Representative Barbara Lee held a forum on February 27, 2009 to discuss the impacts of the Stimulus Spending Package on the 9th Congressional District. Public Affairs attended the forum and provided an update on LBNL projects submitted and potential for funding and jobs created, and also discussed potential concerns. We will work with Public Affairs to develop a communication strategy with our local stakeholders. Time to complete: ongoing. (Medium to high risk factor) [Risk is being managed.]
- To mitigate execution and compliance risks, LBNL Internal Audit Services is a member of the Stimulus Steering Committee and will advise on implementing and updating this plan and on establishment of additional controls to ensure compliance with unique Stimulus funding contractual requirements. See section entitled "Internal Audit and Oversight" for further information.

## Communication

Berkeley Lab has launched a website for all activities related to Stimulus funding. This site ([recovery.lbl.gov](http://recovery.lbl.gov)) lists all ARRA-funded projects as the money is received and also serves as a resource for researchers and businesses interested in learning more about how to apply for Stimulus funding. Opportunities will be posted as they become available.

The ARRA team at Berkeley Lab will launch an internal website for all Berkeley Lab employees working on ARRA projects. The website includes overview information for how to manage funds, reporting, a glossary and extensive FAQs.



## **Attachment 1**

### **STIMULUS STEERING COMMITTEE CHARTER**

#### **Charter**

The Stimulus Steering Committee (SSC) provides high level oversight, strategic direction and operational support to the Stimulus Program at LBNL. The SSC coordinates communication and reporting with all affected internal and external organizations. The Committee is led by the Chief Financial Officer (CFO) and includes technical representatives from scientific and operations divisions, and the Berkeley Site Office.

The SSC plays a critical role in coordinating the Stimulus Program at the Laboratory by ensuring that all policies, resources, and systems are aligned with institutional and DOE objectives. The Committee helps shape decisions in the interest of ensuring compliance and furthering the interests of UC and DOE.

The Committee meets on a periodic basis to exchange knowledge and ideas and determine strategies for implementing stimulus funds. The Committee:

- Maintains and manages a master list of funded stimulus projects
- Provides support to acquire additional resources
- Reviews project performance and risks on a monthly basis
- Coordinates communication and reporting to third parties
- Provides formal end-user representation
- Assures economic impacts are assessed and reported
- Assures that all projects are completed safely, within budget, scope and schedule.

#### **Organization**

The SSC includes:

Jeffrey Fernandez (Chair), Anita Gursahani (co-chair), Sarah Eary, Derrol Hammer, Howard Hatayama, Minh Huebner, Jim Krupnick, Don Medley, Jeff Miller, Jerry Ohearn, Aundra Richards, Jennifer Ridgeway, Suzanne Suskind, Diana Attia, Terry Hamilton, Vera Potapenko, Bill Fortney, Marcy Beck, Kristin Balder-Froid, Anil More (coordinator)

Team Members are responsible for communicating all relevant information to key stakeholders of their respective organizations as well as acting as ambassadors for the Laboratory. Team members are authorized to make recommendations and make decisions on behalf of their respective organizations.

**Attachment 2**

**Draft Data Elements Spreadsheet  
(see attached spreadsheet:  
ARRA Qtr Rptng Data Elements 10-20-09.xls)**

Grant vs Contract	Data Element - XML Tag (Data Model)	LBNL Definition	Def Follow-up Required	Definition (Data Model)	Type (Data Model)	Max Length (Data Model)	Example (Data Model)	Comments (Data Model)	Control (Data Model)	Existing Source Systems (Data Model 6/22)	Validation and Business Rule(s) (Data Model)	New Field	OMB 6/22	FAR	Contract Source (LBNL Tables)	Grant Source (LBNL tables)	Original Sorting Item #	P,S,V Sorting Item #	P,S,V,NAI, NA Sorting Item #	WHO	How often	How	BSA TESTER	FUNCTIONAL TESTER	
1	C	Order Number	N/A for LBNL per BSO - See Low email confirmation dated 8/20/2009 should be blank	N	This data element only applies to Contract.	string	50	Varies by award and agencies  This is a contract only data element. If applicable, order number should be entered; otherwise the field should be left blank.  The order number is case, space and special character sensitive. It should be the same as it appears in the federal award document.			This is an optional field.  This is only for Contract.	Y					7	1	1	BO	NA should be blank	NA	UK	CL	
2	C	Government Contracting Office Code	constant DOE & WFO same "02" (this is DOE CH ID) - per BSO - See Low email confirmation dated 8/20/2009	N	The agency supplied code of the contracting office that executes the transaction.	string	6	064MA	This contracting office code can be located on the contract document		This field only applies to federally awarded contracts.	Y			constant table: DOE & WFO = 02	constant table: DOE & WFO = 02	14	2	2	BO	1X Constant for every DOE/Contract ARRA project should be blank if GRANT project	Add to Constant Table and apply systemically to every project/award at project set up	UK	CL	
3	C	Government Contracting Office Name	Inferred	N	The government contracting office name inferred from the government contracting office code used.	string	100	DEPT OF AGRICULTURE HOMELAND ADMINISTRATION	Inferred given the Government Contracting Office Code		This field only applies to federally awarded contracts.	Y			n/a	n/a	15	3	3	BO	NA inferred by Recovery.gov	NA	N/A	N/A	
4	CG	FundingAgencyCode	Per BSO use DOE level code for all IDOE direct ARRA funded reporting. For WFO need to update Agency table - See Low email confirmation dated 8/20/2009 Can we addto/get from RAPID?	Definition OK need to update table	Numeric code of Federal Agency that is responsible for funding/distributing the ARRA funds to Recipients.	string	4	6800	Federal Agency code is mandatory for Recipient Reporting.  The Funding Agency is the agency that receives the ARRA funds through the ARRA funds appropriation.	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007  Initial Reference: fips95-2.pdf  Latest Reference: NIST Special Publication 800-87	This is a mandatory field.	Y			ARRA Header: DOE = 8900 WFO = Agency Federal Sponsor (ex HHS for NIH is 7529 HHS is 7500 ) Source NIST Special Publication 800-87	ARRA Header: DOE = 8900 WFO = Agency Federal Sponsor (ex HHS for NIH is 7529 HHS is 7500 ) Source NIST Special Publication 800-87	1	4	4	BO	Every New Award/project (1X per project)	Systemically derived from LBNL Agency Table from B&R - For nonfeds derived from proposal in RAPID	UK	CL/AS	
5	CG	FundingAgencyName	Inferred	N	The Federal Agency name corresponding to the Federal Agency Code used.	string	55	ENVIRONMENTAL PROTECTION AGENCY	Inferred given Funding Agency Code Provided	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	eSRS USASpending FPDS	N			n/a	n/a	2	5	5	BO	NA	NA	N/A	N/A	
6	CG	AwardingAgencyCode	constant DOE & WFO same - per BSO - See Low email confirmation dated 8/20/2009	N	Numeric code of the agency that awarded and administering the award on behalf of the Funding Agency.	string	4	4700	The Awarding Agency is the agency that awards administers the ARRA funds on behalf of the Funding Agency.  In many cases, the Awarding Agency is the same as the Funding Agency.  In some cases, such as some contracts -the Funding Agency (e.g. HHS) delegates the administration and awarding responsibilities to another agency like (SSA)	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007  Initial Reference: fips95-2.pdf  Latest Reference: NIST Special Publication 800-87	This is a mandatory field.	Y			constant table: DOE & WFO = 8900	constant table: WFO = 8900	3	6	6	BO	1X Constant for every ARRA project	Add to Constant Table and apply systemically to every award at projects set up	UK	CL	
7	CG	AwardingAgencyName	Inferred	N	The Federal Agency name corresponding to the Awarding Agency Code used.	string	55	GENERAL SERVICES ADMINISTRATION	Inferred given the Awarding Agency Code	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	This field is inferred given the Awarding Agency Code provided	Y			n/a	n/a	4	7	7	BO	NA	NA	N/A	N/A	
8	CG	Program Source (TAS)	Per BSO number included with each increment of funding in the Mod. Different for each program. Currently three 8909/100331 EERE. 8909/100336 ARPA-E. 8909/100227 Science. See Low email confirmation dated 8/20/2009.	N	The Agency Treasury Account Symbol (TAS) that identifies the funding Program Source. This Program Source is based out of the OMB TAS list.  Federal Contractors may find the TAS in their contract or by calling the contracting officer.	string	17	TRACCT (2) + "-" + TRACCT (4) + "*" + SUBACCT (3)  Note: The SUBACCT (3) is optional; i.e. only provided when applicable	Assuming that Agencies will provide the code to Recipient  Note: Program Source (TAS) is mandatory for Recipient Reporting.	Transparency Act Guidance March 30, 2007	FPDS USASpending	OMB TAS list.  This is a mandatory field.	N			DOE: Fund Code table (attribute) WFO: LBNL_CA_BP_MISC Lbnl_TAS	WFO: LBNL_CA_BP_MISC Lbnl_TAS	5	8	8	BO	Every New Award 1X per project	TAS associated with fund code - BSA has set up table to which TAS has been added - If now TAS received in MOD (new funding received under new ARRA fund type) then Budget Office requests BSA to add new fund type and related TAS code to "Set Up" table For WFO is based off award setup, AR enters TAS code into BAR and code is picked up systemically off award set up data	UK	CL
9	CG	Award Number	DOE = constant contract 31 WFO: GM_AWARD_Ref_Awd_Number	N	The identifying number assigned by the awarding Federal Agency, such as the federal grant number, federal contract number or the federal loan number.	string	50	Varies by award and agencies	The award number is case, space and special character sensitive. It should be the same as it appears in the federal award document.  Award Number is mandatory for Recipient Reporting FOR CONTRACT: The PIID shall consist of alpha characters in the first positions to indicate the agency, followed by alphanumeric characters identifying bureaus, offices, or other administrative subdivisions	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	FAADS OFPP FPDS eSRS USASpending	N			DOE: constant, DE: AC02-05CH11231 WFO: GM_AWARD_Ref_Awd_Number	WFO: GM_AWARD_Ref_Awd_Number	6	9	9	BO	DOE 1X constant entry , WFO number pushed from RAPID for every Award	DOE 1X entry then s/b applied systemically to every DOE project, WFO Awd number pushed from RAPID	RON	CL/AS	
10	CG	RecipientDUNSNumber	LBNL DUNS # 078576738 (constant)	N	The prime recipient organization's 9-digit Data Universal Numbering System (DUNS) number	string	9	1.2E+08	The 9-digit DUNS# is mandatory	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	D&B CCR eSRS FPDS USASpending	N			LBNL DUNS # 078576738	LBNL DUNS # 078576738	8	10	10	SPO	LBNL constant Table applied systemically	LBNL constant Table applied systemically	UK	CL	

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11	CG	Recipient Congressional District		Currently Only Two - Team concurred on assumption that this is LBNL prime location - JGI or Hill (Potter St., same as Hill)	N		string	2	51	This field is mandatory.	April 1, 2009 Federal Register		This is a mandatory field.	Y		constant table	constant table	26	11	11	DIV	Input on ARRA header from Drop Down	Input on ARRA header from Drop Down	UK	CL
12	CG	RecipientsAccountNumber		ARRA_ID (ARRA ID for WFO = Award Number)	N		string	255	This field is optional	Recipient's internal account number for project/award. The account number or any other identifying number assigned by the recipient to the award. This number is strictly for the recipient's use only and is not required by the awarding Federal agency.	April 1, 2009 Federal Register		This is an optional field.	N				27	12	12	BO assigns ARRA ID (maintains central table on receipt of WAS) for DOE projects WFO award Number pushed from RAPID	1X per project	Set up when ARRA header updated for DOE this is on receipt of WAS	UK	CL/AS
13	CG	FinalReport		When Overall Project % Complete = 100% on Milestones tab Y else N	N		string	1	Y	Final Project Report Indicator (i.e. no future reports) (Y or N). Check "Y" only if this is the final report and there will be no further quarterly reports.	April 1, 2009 Federal Register	eSRS	This is a mandatory field.	N		ARRA Header	ARRA Header	30	13	13	DIV	1X per project - should be when DIV determines project is finally closed	When project marked 100% then system will update this field "N" to "Y"	UK	CL
14	CG	AwardType		New field on ARRA Header "Grant" or "Federally Awarded Contract" PG and RS task to add Flag	N		string	8	GRANT	Award Type—Grant, Loan, or Federally Awarded Contract  Other types of federal financial assistance not specifically identified above should be reported under the award type of Grant.	Transparency Act Guidance March 30, 2007	FPDS USASpending FAADS+	This is a mandatory field.	N		ARRA Header: DOE = Federally Awarded Contract WFO = per flag on award	ARRA Header: WFO = per flag on award	32	14	14	DIV	1X per project	All projects - will be systemically derived (GRANT status identified in RAPID)-will appear on ARRA header	RON	AS
15	CG	AwardDate		DOE = Obligation date (bilateral signature) WFO = NOG: awd issue date, JAG: BSO acceptance date, Direct Cite: sponsor obligation date	N		Date (YYYYMMDD)	8	2E+07	The date when the award is signed.	Transparency Act Guidance March 30, 2007	eSRS FPDS USASpending	This is a mandatory field.	N		ARRA Header DOE = Funding system trx table posted date WFO = awd certification award date	ARRA Header WFO = awd certification award date	33	15	15	BO/SPO	Every New Award/project 1X	For DOE BO (ARRA analyst) sets up date on ARRA ID table - date will be picked up systemically from ARRA ID table - For WFO date will be picked up systemically from the award	RON	CL/AS
16	CG	AwardDescription		DOE = abstract WFO = Abstract (One time description)	N		string	4000	Special Education PART B/PRESC HOOL	This is a mandatory field.	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	eSRS FPDS USASpending	This is a mandatory field.	N		ARRA Header	ARRA Header - pushed from RAPID	34	16	16	DIV	1X per project	DOE Division enters in ARRA Header, WFO Abstract pushed from RAPID	RON	CL/AS
17	CG	Quarterly Activities/Project Description		New field on ARRA Header. From SOW & research plan (updated Quarterly)	N		string	2000	Powers and Gold Beach Ranger Districts Curry County OR Haz Fuels Item 1 Chetco Area and Item 3 - Powers Area	This is a mandatory field  For Grants and Loans A description of the overall purpose and expected outputs and outcomes or results of the award and first-tier Subaward(s), including significant deliverables and, if appropriate, units of measure. For an award that funds multiple projects such as a formula block grant, the purpose and outcomes or results may be stated in broad terms. For Federally Awarded Contracts A description of all significant services performed/supplies delivered, including construction, for which the prime contractor invoiced in this calendar quarter.	April 1, 2009 Federal Register	eSRS FPDS USASpending	This is a mandatory field.	N		ARRA Header	ARRA Header	38	17	17	DIV	QTRLY UPDATE	Division enters narrative in ARRA Header - for both DOE, WFO and Grants project	RON	CL
18	CG	ProjectStatus		Get from ARRA Header Page. Percent complete from Milestones tab	N		string	20	Fully Completed	This is a mandatory field.  Options for selection: * Not started; * Less than 50% completed; * Completed 50% or more; * Fully Completed.  Options for selection: Not started; Less than 50% completed; Completed 50% or more; Fully Completed.  For awards funding multiple projects such as formula block grants, provide your best estimate of completion of all projects based on any aggregate data and information.	April 1, 2009 Federal Register	FAADS	This is a mandatory field.	N		ARRA Header	ARRA Header	39	18	18	DIV	Updated as part of weekly reporting	systemcially derived - sourced from ARRA header Milestones for Qtrly Reporting (see data element 13)	RON	CL

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19	CG	Activity Code (NAICS or NTEE-NPC)	Use R&D related Codes See confirming email from BSO dated 5/08/2009 See CCR 541711 R&D in Biotechnology and 541712 R&D in the Physical, Engineering and Life Sciences (except Biotechnology)	N	<b>For Grants and Loans:</b> For awards primarily funding infrastructure projects, enter the North American Industry Classification System (NAICS) code(s) that describe the Recovery Act projects or activities under this award. A searchable code list is at <a href="http://www.census.gov/naics/">http://www.census.gov/naics/</a> . <b>For Federally Awarded Contracts:</b> Enter the 6-digit North American Industry Classification System (NAICS) code found in the solicitation/contract. <b>For all other awards,</b> provide the National Center for Charitable Statistics "NTEE-NPC" code(s) that describe the Recovery Act projects or activities under this award. A searchable code list is at <a href="http://ncsdataweb.urban.org/PubApps/nteeSearch.php?gQry=all-core&amp;codeType=NPC">http://ncsdataweb.urban.org/PubApps/nteeSearch.php?gQry=all-core&amp;codeType=NPC</a> .	string	20	115310	NAICS - annual; NPC - annual	April 1, 2009 Federal Register		This is a mandatory field	Y			ARRA Header	ARRA Header	40	19	19	DIV	1X per award	Input on ARRA header for each project dropdown selection (2 choices)	RON	AS	
20	CG	NumberOfJobs	based on actuals	Y - LF	Jobs created and retained. An estimate of the number of jobs created and jobs retained in the United States and outlying areas. At a minimum, this estimate shall include any new positions created and any existing filled positions that were retained to support or carry out Recovery Act projects, activities, or federally awarded contracts managed directly by the recipient or federal contractor. For grants and loans, the number shall include the number of jobs created and retained by sub recipients and vendor. The number shall be expressed as "full-time equivalent" (FTE), calculated cumulatively as all hours worked divided by the total number of hours in a full-time schedule, as defined by the recipient or federal contractor.  For instance, two full-time employees and one part-time employee working half days would be reported as 2.5 FTE in each calendar quarter. A job cannot be reported as both created and retained. As used in this instruction, United States means the 50 States and the District of Columbia, and outlying areas means— (1) Commonwealths; (i) Puerto Rico; (ii) The Northern Mariana Islands; (2) Territories; (i) American Samoa; (ii) Guam; (iii) U.S. Virgin Islands; and (3) Minor outlying islands. (i) Baker Island; (ii) Line Island	Number	10	100	This is a mandatory field.			This is a mandatory field.	N		An estimate of the number of jobs created and jobs retained by the prime contractor in the US and outlying areas			42	20	20	BO	Monthly to be summarized for quarterly reporting	System will use HRIS actual data to calculate LBNL Jobs Created/Retained. System will use FMS dollar and hour data (keyed in by AP) for vendor and subrecipient job calculation	UK	LON	
21	CG	Description of Jobs Created	ARRA Header: description of jobs based on 9 job function categories. Provided as a list from HRIS	Y - LF	A narrative description of the employment impact of the Recovery Act funded work. This narrative is cumulative for each calendar quarter and at a minimum, will address the impact on the recipient's or federal contractor's workforce (for grants and loans, recipients shall also include the impact on the workforces of sub recipients and vendors).  At a minimum, provide a brief description of the types of jobs created and jobs retained in the United States and outlying areas. "Jobs or positions created" means those new positions created and filled, or previously existing unfilled positions that are filled, as a result of Recovery Act funding. "Jobs or positions retained" means those previously existing filled positions that are retained as a result of Recovery Act funding. This description may rely on job titles, broader labor categories, or the recipient's existing practice for describing jobs as long as the terms used are widely understood and describe the general nature of the work.  ALTERNATE METHOD FOR GRANT AND LOAN RECIPIENTS: In those circumstances where the recipient employs an approved statistical methodology to generate estimates of job impact, thereby collecting data from a smaller subset of sub-recipients and vendors in order to extrapolate an estimate of job impact to all applicable sub recipients and vendors, the recipient must provide a description of the methodology used.	string	4000		This is a mandatory field.	April 1, 2009 Federal Register ARRA		This is a mandatory field.	N		A narrative description of the employment impact of work funded by the Recovery Act. This narrative should be cumulative for each calendar quarter and only address the impact on the contractor's work force. (Far Vol 74 No. 60 Tuesday March 31, 2009 page 14645)		ARRA Header	ARRA Header	43	21	21	BO	Monthly to be summarized for quarterly reporting	(9 Job function categories in HRIS are linked to 900 job codes. Systemically will take all low level job codes per LBNL effort data and summarize into one of 9 job function categories per ARRA project/award (WFO) these summary level categories will be reported with description in this data element field. Systemically will use NAICS number/description for subrecipient and vendor reporting of job description data element. LBNL jobs retained will be identified by employee number captured in ARRA	UK	LON
22	CG	Amount of Award	Total Funding Received. DOE = BA WFO = CV	N	<b>For Grants:</b> The total amount of Federal dollars on the award. <b>For Loans:</b> The total amount of the loan obligated by the Federal Agency. This is the face value of the loan. <b>For Federally Awarded Contracts:</b> The total amount obligated by the Federal Agency.	Currency (Dollar value - numeric)	18,2	2E+07	Total specific federal funding as indicated on the award document	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	FPDS USASpending	This is a mandatory field	N			DOE = BNL_B_AND_R_TRX WFO = GM_AWD_MOD		44	22	22	BO	Usually 1X on receipt of Mod for DOE, WFO will change as needed per receipt	BO enters funding into Funding System, WFO from RAPID	RON	CL/AS	
23	CG	Total Federal Amount ARRA Funds Received/Invoiced	STARS Transmission for both WFO and DOE	N	<b>For Grants and Loans:</b> The amount of Recovery Act funds received through draw-down, reimbursement or invoice. <b>Federally Awarded Contracts:</b> The amount of Recovery Act funds invoiced by the federal contractor (cumulative).	Currency (Dollar value - numeric)	18,2	2E+07	This is a mandatory field	April 1, 2009 Federal Register ARRA		This is a mandatory field	Y					45	23	23	FMS Hard Close data only	Updated Monthly and Reported Quarterly	From FMS Per Project/AWD	RON	CL/AS	

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24	CG	Primary Place of Performance – Street Address 1	This is LBNL location	N	Recipient Primary Place of Performance (city, state, congressional district, and country) physical location of primary place of performance.	string	55		This field is optional.			This field is optional.	Y			ARRA Header	ARRA Header	65	24	24	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS
25	CG	Primary Place of Performance – Street Address 2		N	Recipient Primary Place of Performance (city, state, congressional district, and country) physical location of primary place of performance.	string	55		This field is optional.			This field is optional.	Y					66	25	25	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS
26	CG	Primary Place of Performance – State	ARRA Header using Location Code	N	Recipient Primary Place of Performance (city, state, congressional district, and country) physical location of primary place of performance.	string	2	MD (Maryland)	This is a mandatory field	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		This is a mandatory field.	N					67	26	26	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS
27	CG	Primary Place of Performance – Country		N	Recipient Primary Place of Performance (city, state, congressional district, and country) physical location of primary place of performance.	string	2	US	This is a mandatory field This is the 2 letter alpha code.	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		This is a mandatory field.	Y					68	27	27	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS
28	CG	Primary Place of Performance – Zip Code + 4	lookup from new table which will contain the FIPS-55 codes and values	N	Recipient Primary Place of Performance (city, state, congressional district, and country) physical location of primary place of performance.	string	9	2.2E+08	This is a mandatory field	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		This is a mandatory field.	N					69	28	28	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS
29	CG	Primary Place of Performance – City	lookup from new table which will contain the FIPS-55 codes and values	N	Recipient Primary Place of Performance (city, state, congressional district, and country) physical location of primary place of performance.	string	35	Rockville	This is a mandatory field	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		This is a mandatory field.	N					71	29	29	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS
30	CG	Primary Place of Performance - Congressional District	lookup from new table which will contain the FIPS-55 codes and values	N	Recipient Primary Place of Performance (city, state, congressional district, and country) physical location of primary place of performance.	string	2	08	This is a mandatory field	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		This is a mandatory field.	N					72	30	30	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS
31	CG	Prime Recipient indication of reporting applicability	"Yes" - See BSO email confirming that should be top five LBNL employees 8/19/2009 (email from S. Green)	N	Names and total compensation of each of the five most highly compensated officers of the recipient for the calendar year in which the award is awarded if—  (i) In the recipient's preceding fiscal year, the recipient received—  (A) 80 percent or more of its annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and  (B) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and  (ii) The public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986.	string	3	Yes	This is a Yes or No field			If all of the conditions in the definition apply the recipient must report in the highly compensated fields	Y			constant	constant	74	31	31	HR	1X entry	s/b applied systemically to every project/awd	UK	CL
32	CG	Prime Recipient Highly Compensated Name(5)	See email from BSO 8/19/2009 (via HR Green) confirming LBNL employee data required	AN/HR	Names of each of the five most highly compensated officers of the recipient for the calendar year in which the award is awarded if—  (i) In the recipient's preceding fiscal year, the recipient received—  (A) 80 percent or more of its annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and  (B) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and  (ii) The public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986.	string array	55	Tom Jones John Doe Mary Smith Ivana B. Rich Amanda King	This is a conditional field based on the "Prime Recipient indication of reporting applicability" data element	April 1, 2009 Federal Register		This is a conditional field based on the "Prime Recipient indication of reporting applicability" data element  If all of the conditions in the definition apply the recipient must report in the highly compensated fields	N					75	32	32	HR to manage data collection will forward to BO for input, HR will notify BO if any updates	Reviewed QTRLY and updated as needed (keep in constant table - input screen)	s/b applied/updated systemically to every project/awd	UK	CL

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33	CG	Prime Recipient Highly Compensated (Conditional)	Will be provided by HR	AM/HR	For the five most highly compensated officers of the recipient: total compensation "Total compensation" is defined for <b>Grants and Loans:</b> "Total compensation" means the cash and noncash dollar value earned by the executive during the sub recipient's past fiscal year of the following (for more information see 17 CFR 229.402(c)(2)): (i). Salary and bonus. (ii). Awards of stock, stock options, and stock appreciation rights. Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with FAS 123R. (iii). Earnings for services under non-equity incentive plans. Does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives, and are available generally to all salaried employees. (iv). Change in pension value. This is the change in present value of defined benefit and actuarial pension plans. (v). Above-market earnings on deferred compensation which are not tax-qualified. (vi). Other compensation. For example, severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property if the value for the executive exceeds \$10,000. <b>Federally Awarded Contracts:</b> CFDA.gov - 52.023-11	Currency Array (Dollar value - numeric)	18,2	100000.01 500000.01 400000.01 350000.01 700000.01	This is a conditional field based on the "Prime Recipient indication of reporting applicability" data element	April 1, 2009 Federal Register		This is a conditional field based on the "Prime Recipient indication of reporting applicability" data element  If all of the conditions in the definition apply the recipient must report in the highly compensated fields	N						76	33	33	HR to manage data collection will forward to BO for input, HR will notify BO if any updates	Reviewed QTRLY and updated as needed (keep in constant table - input screen)	s/b applied/updated systemically to every project/awd	UK	CL
34	CG	Total Number of Sub-awards to individuals	Designation "Individual" is collected on R&C's for each subaward and entered into Mod Table by buyer (Note GRANTS subawards must be defined as "Subrecipient" or "Vendor" on the PO)	Y - CC/JS	Total Number of Sub-awards to individuals.	string	6	10	This is a mandatory field	April 1, 2009 Federal Register		This is a mandatory field	Y					79	34	34	PROC	Calculated Qtrly (hard close data)	Systemically Calculated - qtrly cost calculated for each subaward designated as "individual" and then costs on all subawards aggregated to quarterly total for award by ARRA in	STEVE	JOHN	
35	CG	Total Amount of Sub-awards to individuals	Designation "Individual" is collected on R&C's for each subaward and entered into Mod Table by buyer	Y - CC/JS	Total Amount of Sub-awards to individuals.	Currency (Dollar value - numeric)	18,2	240000	This is a mandatory field	April 1, 2009 Federal Register		This is a mandatory field	Y					80	35	35	PROC	Calculated Qtrly	Systemically Calculated - qtrly cost calculated for each subaward designated as "individual" and then costs on all subawards aggregated to quarterly total for award by ARRA in	STEVE	JOHN	
36	CG	Total Number of Sub-awards less than \$25,000/award.	Not Individuals and less than \$25K	Y	Total Number of Sub-awards less than \$25,000/award.	string	6	10	This is a mandatory field	April 1, 2009 Federal Register		This is a mandatory field	Y					83	36	36			Systemically Calculated - sum of all subawards <\$25K cumulative over life of project	STEVE	JOHN	
37	CG	Total Amount of Subawards less than \$25,000/award.	Not Individuals and less than \$25K	Y	Total Amount of Subawards less than \$25,000/award for the reporting quarter.	Currency (Dollar value - numeric)	18,2	20000	No single Sub-award can exceed \$24,999 or must be submitted individually	April 1, 2009 Federal Register		This is a mandatory field	Y					84	37	37			Systemically Calculated - cost for each subaward <\$25K summarized cumulative over life of project	STEVE	JOHN	
38	G	CFDANumber	GM_AWARD.CFDA DOE - N/A	N	The Catalog of Federal Domestic Assistance (CFDA) number is the number associated with the published description of Federal assistance program in the Catalog of Federal Domestic Assistance.  The CFDA number should be the same as the one found in CFDA.gov for Recovery.	string	6	66.039	<b>This field only applies to grants and loans.</b>  The CFDA number should be the same as the one found in CFDA.gov for Recovery.	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	CFDA FAADS USASpending	<b>This field only applies to grants and loans.</b>	N					13	38	38	SPO	1X per award	Pushed from RAPID	RON	AS	
39	G	Project Name or Project/Program Title	LBNL_ARRA_RPT.Project_Descr. DOE = Title on WAS. Long title for WFO and pulling from right place	N	The brief descriptive title of the project or activity funded in whole or in part with Recovery Act funds	string	256	FO06: Land Treatment Practices Services (plowing/clearing, etc.)	Title as indicated on the Award document/Product or Service Code	April 1, 2009 Federal Register		This field only applies to Grants and Loans.	N			NA	Pushed from RAPID	35	39	39	RAPID/systemic	1X per award	GRANTS pushed from RAPID	RON	AS	
40	G	Total Federal Amount of ARRA Expenditure	Total costs per STARS transmission + equip gifts (if applicable) Requires that in addition to direct and indirect expense incurred, the value of any in-kind contributions or non cash items expended on the project be added to the expenditure total. LBNL does not expect this incremental type of expenditure to be incurred on ARRA awards. Assume same as STARS transmission (minus fees \$24 above)	N	<b>This is for grants and loans only.</b> Amount of recovery funds received that were expended to projects or activities ("Federal Share of Expenditures"). The cumulative total for the amount of Federal fund expenditures. For reports prepared on a cash basis, expenditures are the sum of cash disbursements for direct charges for property and services; the amount of indirect expense charged; the value of third-party in-kind contributions applied; and the amount of cash advance payments and payments made to subcontractors and Subawardees. For reports prepared on an accrual basis, expenditures are the sum of cash disbursements for direct charges for property and services; the amount of indirect expense incurred; the value of in-kind contributions applied; and the net increase or decrease in the amounts owed by the recipient for (1) goods and other property received; (2) services performed by employees, contractors, subcontractors, Subawardees, and other payees; and (3) programs for which no current services or performance are required. Do not include program income expended.	Currency (Dollar value - numeric)	18,2	200000	This only applies to grants and loans	April 1, 2009 Federal Register ARRA		Total Federal Amount of ARRA Expenditure should not exceed the Amount of Award	N					48	40	40	SPO	NA	NA	RON	AS	
41	G	Total Federal ARRA Infrastructure Expenditure	Per SPO no Grants will be accepted for Infrastructure Expenditure	N	<b>This is for grants and loans only</b> Total federal ARRA infrastructure expenditure	Currency (Dollar value - numeric)	18,2	200000	This is a conditional field for investing in infrastructure (per agency solicitation)	April 1, 2009 Federal Register		This is a conditional field for investing in infrastructure	Y					51	41	41	SPO	NA	NA	RON	AS	



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42	G	Infrastructure Purpose and Rationale	NA for LBNL	N	<b>This is for grants and loans only</b> Purpose and rationale of funds received for infrastructure investment with funds made available under the Recovery Act. Identify the purpose and explain how the infrastructure investment will contribute to one or more purposes of the Recovery Act: Purposes: (1) To preserve and create jobs and promote economic recovery. (2) To assist those most impacted by the recession. (3) To provide investments needed to increase economic efficiency by spurring technological advances in science and health. (4) To invest in transportation, environmental protection, and other infrastructure that will provide long-term economic benefits. (5) To stabilize State and local government budgets, in order to minimize and avoid reductions in essential services and counterproductive state and local tax increases.	string	Variable (Maximum 4000 characters)		This is a conditional field. If reporting infrastructure investment, a rationale/explanation has to be provided. (per agency solicitation)	April 1, 2009 Federal Register ARRA		This is a conditional field. If reporting infrastructure investment, a rationale/explanation has to be provided.	N					52	42	42	SPO	NA	NA	RON	AS
43	G	Total Number of payments to vendors less than \$25,000/award	Note GRANTS subawards must be defined as "Subrecipient" or "Vendor" on the PO	Y - vendor sub team	<b>For Grants and Loans Only</b> Total Amount of payments to vendors less than \$25,000/award.	string	6	10	This is a mandatory field	April 1, 2009 Federal Register		This is a mandatory field for grants and loans	Y					81	43	43	Systemic	Systemic	systemic summary of number vendors with PO's <\$25 cumulative on life of project	STEVE	JOHN
44	G	Total Amount of payments to vendors less than \$25,000/award	Note GRANTS subawards must be defined as "Subrecipient" or "Vendor" on the PO	Y - vendor sub team	<b>For Grants and Loans Only</b> Total Amount of payments to vendors less than \$25,000/award for the reporting quarter.	Currency (Dollar value - numeric)	18,2	20000	No single Sub-award can exceed \$24,999 or must be submitted individually	April 1, 2009 Federal Register		This is a mandatory field for grants and loans	Y					82	44	44	Systemic	Systemic	systemic summary of vendors with PO's <\$25 cumulative on life of project	STEVE	JOHN
45	CG	AwardType	Prime recipient award type DOE = Federally Awarded Contract WFO: on ARRA Header per award type	Y - AS added	<b>Award Type—Grant, Loan, or Federally Awarded Contract</b>  <b>Other types of federal financial assistance not specifically identified above should be reported under the award type of Grant.</b>	string	8	GRANT	This is a mandatory field.	Transparency Act Guidance March 30, 2007	FPDS USASpending FAADS+	This is a mandatory field.	N					32	14	14	PROC	1X per Subaward	entered by PROC	STEVE	JOHN
46	CG	Award Number	Prime recipient award number. DOE = constant contract 31 WFO: GM_AWARD.Ref_Awd_Number for non-NIH. For NIH the source is GM_AWD_MOD.REF_AWD_NUMBER (SPO Auth Dt not blank)	Y - AS added	The identifying number assigned by the awarding Federal Agency, such as the federal grant number, federal contract number or the federal loan number.	string	50	Varies by award and agencies	The award number is case, space and special character sensitive. It should be the same as it appears in the federal award document.  Award Number is mandatory for Recipient Reporting FOR CONTRACT: The PIID shall consist of alpha characters in the first positions to indicate the agency, followed by alphanumeric characters identifying bureaus, offices, or other administrative subdivisions	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	FAADS OFPP FPDS eSRS USASpending	This is a mandatory field.  The award number is case, space and special character sensitive. It should be the same as it appears in the federal award document	N			DOE: constant, DE-AC02-05CH11231 WFO: GM_AWARD.Ref_Awd_Number	WFO: GM_AWARD.Ref_Awd_Number	6	9	9	BO	DOE 1X constant entry , WFO number pushed from RAPID for every Award	DOE 1X entry then s/b applied systemically to every DOE project, WFO Awd ref number pushed from RAPID	RON	CL/AS
47	CG	RecipientDUNSNumber	LBNL DUNS # 078576738 (constant)	N	The prime recipient organization's 9-digit Data Universal Numbering System (DUNS) number	string	9	1.2E+08	The 9-digit DUNS# is mandatory	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	D&B CCR eSRS FPDS USASpending	This is a mandatory field.	N			LBNL DUNS # 078576738	LBNL DUNS # 078576738	8	10	10	SPO	LBNL constant Table applied systemically	LBNL constant Table applied systemically	UK	CL
48	CG	Sub recipient DUNS Number	PROC R&C's requested on R&C and input to Mod Table by buyer lbnl_arra_det.duns_nbr	N	The sub recipient organization's 9- digit Data Universal Numbering System (DUNS) number	string	9	1.2E+08	9digit DUNS# is mandatory	April 1, 2009 Federal Register	D&B CCR eSRS FPDS USASpending	This is a mandatory field	N					85	85	45	PROC/APP	1X per Subaward	Requested on R&C and input to FMS by AP when processing initial invoice	STEVE	JOHN
49	CG	Subaward Number	PO_ID	N	Subaward Number or Other Identifying Number Assigned by the Recipient Entity	string	55	Sub-award number provided by Prime Recipient	Prime Recipient assigns a sub-award number (federally awarded contract, grant, loan) to the Sub Recipient	April 1, 2009 Federal Register	FAADS OFPP FPDS eSRS USASpending	This is a mandatory field	N					86	86	46	PROC	1X per Subaward	systemic	STEVE	JOHN



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50	CG	Sub recipient Congressional District	PROC requested on R& C's and input to Mod table by buyer	N	Sub recipient Location. Physical location as listed in the Central Contractor Registration.	string	2	51	This field is mandatory	April 1, 2009 Federal Register		This is a mandatory field	N					96	87	47	PROC/A P	1X per Subaward	Requested on R&C and input to FMS by AP when processing initial invoice	STEVE	JOHN
51	CG	Amount of Subaward	funded amount	N	The anticipated total amount of funds to be disbursed to the sub-awardee over the life of the award.  For Federally Awarded Contracts: Total amount of subcontract	Currency (Dollar value - numeric)	18	2	200000	April 1, 2009 Federal Register		This is a mandatory field	N					98	88	48	PROC	1X per Subaward (lifetime value of award)	PO Value from Mod Table	STEVE	JOHN
52	CG	Subaward Date	PROC Input by Buyer lbnl_arr_det.zp_award_dt	N	Subaward Date. The date the Subaward was signed (mm/dd/yyyy).	Date (YYYYMMDD)	8	2	E+07	April 1, 2009 Federal Register		This is a mandatory field	N					100	89	49	PROC	1X per Subaward (date issue subcontract)	systemic from Mod Table	STEVE	JOHN
53	CG	Sub recipient Primary Place of Performance – Street Address 1	PROC requested on R& C's	N	Sub recipient Place of Performance (city, state, congressional district, and country). The physical location of primary place of performance.	string	55		This field is optional.			This field is optional.	Y					102	90	50	PROC	1X per Subaward	Use PO location	STEVE	JOHN
54	CG	Sub recipient Primary Place of Performance – Street Address 2		N	Sub recipient Place of Performance (city, state, congressional district, and country). The physical location of primary place of performance.	string	55		This field is optional.			This field is optional.	Y					103	91	51	PROC	1X per Subaward	Use PO location	STEVE	JOHN
55	CG	Sub recipient Place of Performance - State	see recipient POP information above.... same but using PO location etc.	N	Sub recipient Place of Performance (city, state, congressional district, and country). The physical location of primary place of performance.	string	2	MD (Maryland)		April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		This field is mandatory	N					104	92	52	PROC	1X per Subaward	Use PO location	STEVE	JOHN
56	CG	Sub recipient Place of Performance – Country	see recipient POP information above.... same but using PO location etc.	N	Sub recipient Place of Performance (city, state, congressional district, and country). The physical location of primary place of performance.	string	2	US	This field is mandatory  This is the 2 letter alpha code.	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		This field is mandatory	Y					105	93	53	PROC	1X per Subaward	Use PO location	STEVE	JOHN

	Grant vs Contract	Data Element - XML Tag (Data Model)	LBNL Definition	Def Follow-up Required	Definition (Data Model)	Type (Data Model)	Max Length (Data Model)	Example (Data Model)	Comments (Data Model)	Control (Data Model)	Existing Source Systems (Data Model 6/22)	Validation and Business Rule(s) (Data Model)	New Field	OMB 6/22	FAR	Contract Source (LBNL Tables)	Grant Source (LBNL tables)	Original Sorting Item #	P,S,V Sorting Item #	P,S,V,NAI, NA Sorting Item #	WHO	How often	How	BSA TESTER	FUNCTIONAL TESTER
57	CG	Sub recipient Place of Performance – Zip Code + 4	see recipient POP information above....same but using PO location etc.	N	Sub recipient Place of Performance (city, state, congressional district, and country). The physical location of primary place of performance.	string	9	2.2E+08				This field is mandatory	N					108	94	54	PROC	1X per Subaward	Use PO location	STEVE	JOHN
58	CG	Sub recipient Place of Performance - City	see recipient POP information above....same but using PO location etc.	N	Sub recipient Place of Performance (city, state, congressional district, and country). The physical location of primary place of performance.	string	35	Rockville				This field is mandatory	N					108	95	55	PROC	1X per Subaward	Use PO location	STEVE	JOHN
59	CG	Sub recipient Place of Performance - Congressional District	see recipient POP information above....same but using PO location etc.	N	Sub recipient Place of Performance (city, state, congressional district, and country). The physical location of primary place of performance.	string	2	8	This field is mandatory			This field is mandatory	N					109	96	56	PROC	1X per Subaward	Use PO location	STEVE	JOHN
60	CG	Sub Recipient indication of reporting applicability	PROC requested on R& C's and input by buyer	N	Names and total compensation of each of the five most highly compensated officers of the sub recipient for the calendar year in which the awarded is awarded if—  (i) In the sub recipient's preceding fiscal year, the sub recipient received—  (A) 80 percent or more of its annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and  (B) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and  (ii) The public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986.	string	3	Yes	This is a Yes or No field			If all of the conditions in the definition apply the recipient or delegated sub recipient must report in the highly compensated fields	Y					111	97	57	PROC	1X per Subaward	Buyer inputs on Mod table	STEVE	JOHN
61	CG	Sub Recipient Highly Compensated Name(5)	PLbnl_arra_det_ZP_Arra_Ofcr_Name1 - Name5	N	Names of each of the five most highly compensated officers of the sub recipient for the calendar year in which the award is awarded if—  (i) In the sub recipient's preceding fiscal year, the sub recipient received—  (A) 80 percent or more of its annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and  (B) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and  (ii) The public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986.	string array	55	Tom Jones John Doe Mary Smith Ivana B. Rich Amanda King	This is a conditional field based on the sub recipient indication of reporting applicability data element	April 1, 2009 Federal Register		This is a conditional field based on the "Sub Recipient indication of reporting applicability" data element  If all of the conditions in the definition apply the recipient or delegated sub recipient must report in the highly compensated fields	N					112	98	58	PROC	1X per Subaward	Buyer inputs on Mod table	STEVE	JOHN

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62	CG	Sub Recipient Highly Compensated Compensation(5) (Conditional)	Lbni_arra_det2P_Arra_Ofcr_comp1 - comp5 PROC request on R&C's buyer inputs to MOD Table	N	For the five most highly compensated officers of the sub recipient: total compensation "Total compensation" is defined for <b>Grants and Loans:</b> "Total compensation" means the cash and noncash dollar value earned by the executive during the sub recipient's past fiscal year of the following (for more information see 17 CFR 229.402(c)(2)): (i). Salary and bonus. (ii). Awards of stock, stock options, and stock appreciation rights. Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with FAS 123R. (iii). Earnings for services under non-equity incentive plans. Does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives, and are available generally to all salaried employees. (iv). Change in pension value. This is the change in present value of defined benefit and actuarial pension plans. (v). Above-market earnings on deferred compensation which are not tax-qualified. (vi). Other compensation. For example, severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property if the value for the executive exceeds \$10,000. <b>Federally Awarded Contracts:</b> 111,234,567.89	Currency Array (Dollar value - numeric)	18,2	100000.01 500000.01 400000.01 350000.01 700000.01	This is a conditional field based on the sub recipient indication of reporting applicability data element.	April 1, 2009 Federal Register		This is a conditional field based on the "Sub Recipient indication of reporting applicability" data element  If all of the conditions in the definition apply the recipient must report in the highly compensated fields	N						113	99	59	PROC	1X per Subaward	Buyer inputs on Mod table	STEVE	JOHN
63	G	Total Subaward Funds Disbursed	Actual costs (from Proj Resource)	N	<b>For Grants and Loans Only:</b> Amount of Subaward Disbursed. The cumulative amount of cash disbursed to the sub-awardee as of the reporting period end date. 111,234,567.89	Currency (Dollar value - numeric)	18,2	200000		April 1, 2009 Federal Register		This is a mandatory field	N					99	100	60	Systemic	Systemic	Systemic Actual Cost assoc. with PO	STEVE	JOHN	
64	G	Award Number – Prime Recipient Vendor	This is LBNL Award number - our WFO award number for this grant	N	<b>For Grants and Loans Only:</b> Identifying Num-ber Assigned by the prime recipient.	string	50	Varies by award and agencies	Complete this field if submitting Prime Recipient vendor information.	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	FAADS OFPP FPDS eSRS USASpending	This is a mandatory field for Prime Recipient Report	N					114	114	61	BO	QTRLY Updates	BO to Key into screen	UK	CL	
65	G	Subaward Number – Sub-recipient Vendor	This is Subrecipient PO Number assigned by LBNL	N	<b>For Grants and Loans Only:</b> Award Number or Other Identifying Number Assigned by the Sub-recipient	string	55	Sub-award number provided by Prime Recipient	Complete this field if submitting Sub Recipient vendor information.	April 1, 2009 Federal Register	FAADS OFPP FPDS eSRS USASpending	This is a mandatory field for Sub Recipient Report	N					115	115	62	BO	QTRLY Updates	BO to Key into screen	UK	CL	
66	G	VendorDUNS_number	This is Subrecipient Vendor Duns number sent via email Qtrly by subrecipient	N	<b>For Grants and Loans Only:</b> Vendor DUNS Number. The vendor's 9 digit Data Universal Numbering System (DUNS) number	string	9	123456789	DUNS# 9digit is preferred. See comments for Vendor HQ Zip Code and Vendor Name data elements	April 1, 2009 Federal Register	D&B CCR eSRS FPDS USASpending		N					116	116	63	BO	QTRLY Updates	BO to Key into screen	UK	CL	
67	G	Vendor HQ Zip Code + 4	Optional if DUNS not provided	N	<b>For Grants and Loans Only:</b> The zipcode of the vendor's headquarters.	string	9	2.2E+08	Vendor HQ Zip Code and Vendor Name are required if DUNS# is not available				N					117	117	64	BO	QTRLY Updates	BO to Key into screen	UK	CL	
68	G	VendorName	Optional if Duns not provided	N	<b>For Grants and Loans Only:</b> The name of the vendor.	string	55	ROOFING RESOURCES INC	Vendor HQ Zip Code and Vendor Name are required if DUNS# is not available				N					118	118	65	BO	QTRLY Updates	BO to Key into screen	UK	CL	
69	G	Product and Service Description (Optional)	NA	Y	<b>For Grants and Loans Only:</b> A description of the product and/or service provided by the vendor This field is optional for vendors of sub-recipients	string	255	Runway repair	Short description of product and/or service	April 1, 2009 Federal Register			N					119	119	66	BO	NA	NA	UK	CL	
70	G	Payment Amount (Optional)	NA	Y	<b>For Grants and Loans Only:</b> The amount invoiced to the vendor (aggregated) that will be paid with ARRA funds  This field is optional for vendors of sub-recipients	Currency Array (Dollar value - numeric)	18,2	50000		April 1, 2009 Federal Register			N					120	120	67	BO	NA	NA	UK	CL	

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71	CG	AwardType	Prime recipient award type WFO: on ARRA Header per award type	Y - AS added	<b>Award Type—Grant, Loan, or Federally Awarded Contract</b>  Other types of federal financial assistance not specifically identified above should be reported under the award type of Grant.	string	8	GRANT	This is a mandatory field.	Transparency Act Guidance March 30, 2007	FPDS USASpending FAADS+	This is a mandatory field.	N					32	14	14	SPO	1X		RON	AS
72	CG	Award Number	Prime recipient award number If reporting is delegated to LBNL, if not then sponsor's PO #, award reference number: GM_AWARD.Ref_Awd_Number	Y - AS added	The identifying number assigned by the awarding Federal Agency, such as the federal grant number, federal contract number or the federal loan number.	string	50	Varies by award and agencies	The award number is case, space and special character sensitive. It should be the same as it appears in the federal award document.  Award Number is mandatory for Recipient Reporting FOR CONTRACT: The PIID shall consist of alpha characters in the first positions to indicate the agency, followed by alphanumeric characters identifying bureaus, offices, or other administrative subdivisions.	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	FAADS OFPP FPDS eSRS USASpending	This is a mandatory field.  The award number is case, space and special character sensitive. It should be the same as it appears in the federal award document	N			GM_AWARD.Ref_Awd_Number	GM_AWARD.Ref_Awd_Number	6	9	9	SPO	1X entry	If reporting to sponsor's PO #, if reporting to FederalReporting.gov then sponsor's prime recipient award #	RON	AS
73	CG	Prime RecipientDUNSNumber	Sponsor's DUNS #	Y - AS added	The prime recipient organization's 9-digit Data Universal Numbering System (DUNS) number	string	9	1.2E+08	The 9-digit DUNS# is mandatory	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	D&B CCR eSRS FPDS USASpending	This is a mandatory field.	N					8	10	10		1X		RON	AS
74	CG	Sub recipient DUNS Number	LBNL DUNS # 078576738 (constant)	N	<b>The sub recipient organization's 9- digit Data Universal Numbering System (DUNS) number</b>	string	9	1.2E+08	9digit DUNS# is mandatory	April 1, 2009 Federal Register	D&B CCR eSRS FPDS USASpending	This is a mandatory field	N			Constant table	Constant table	85	85	45	SPO	LBNL constant Table applied systemically	LBNL constant Table applied systemically	RON	AS
75	CG	Subaward Number	Sponsor's PO#: ref award number	N	<b>Subaward Number or Other Identifying Number Assigned by the Recipient Entity</b>	string	55	Sub-award number provided by Prime Recipient	Prime Recipient assigns a sub-award number (federally awarded contract, grant, loan) to the Sub Recipient	April 1, 2009 Federal Register	FAADS OFPP FPDS eSRS USASpending	This is a mandatory field	N			GM_AWARD.Ref_Awd_Number	GM_AWARD.Ref_Awd_Number	86	86	46	SPO	1X per award	systemic	RON	AS

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76	CG	Sub recipient Congressional District	Currently Only Two - Team concurred on assumption that this is LBNL prime location - JGI or Hill (Potter St., same as Hill)	N		string	2	51	This field is mandatory.	April 1, 2009 Federal Register		This is a mandatory field.	Y			ARRA Header	ARRA Header	26	11	11	DIV	Input on ARRA header from Drop Down	Input on ARRA header from Drop Down	RON	AS
77	CG	Amount of Subaward	Total expected contract value - Sum of all GM award lines whether or there is an issue date	N	The anticipated total amount of funds to be disbursed to the sub-awardee over the life of the award.  For Federally Awarded Contracts: Total amount of subcontract	Currency (Dollar value - numeric)	18,2	200000		April 1, 2009 Federal Register		This is a mandatory field	N			GM_AWD_MOD	GM_AWD_MOD	98	88	48	SPO	As needed per award documents	Input in RAPID	RON	AS
78	CG	Subaward Date	counter signature date per contract. Use award date in certifications or SPO authorization date?	Y - AS added	Subaward Date. The date the Subaward was signed (mm/dd/yyyy).	Date (YYYYMMDD)	8	2E+07	The date is found on the sub-award document	April 1, 2009 Federal Register		This is a mandatory field	N			RAPID - certifications	RAPID - certifications	100	89	49	SPO	1X per Award	Input in RAPID	RON	AS
79	CG	Sub recipient Primary Place of Performance - Street Address 1	lookup from new table which will contain the FIPS-55 codes and values	N	Recipient Primary Place of Performance (city, state, congressional district, and country) physical location of primary place of performance.	string	2,08		This is a mandatory field	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		This is a mandatory field.	N					72	30	30	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS
80	CG	Sub recipient Primary Place of Performance - Street Address 2		N	Sub recipient Place of Performance (city, state, congressional district, and country). The physical location of primary place of performance.	string	55		This field is optional.			This field is optional.	Y					103	91	51	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS

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81	CG	Sub recipient Place of Performance - State	see recipient POP information above....same but using PO location etc.	N	Sub recipient Place of Performance (city, state, congressional district, and country). The physical location of primary place of performance.	string	2	MD (Maryland)		April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		This field is mandatory	N					104	92	52	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS
82	CG	Sub recipient Place of Performance – Country	see recipient POP information above....same but using PO location etc.	N	Sub recipient Place of Performance (city, state, congressional district, and country). The physical location of primary place of performance.	string	2	US	This field is mandatory This is the 2 letter alpha code.	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		This field is mandatory	Y					105	93	53	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS
83	CG	Sub recipient Place of Performance – Zip Code + 4	see recipient POP information above....same but using PO location etc.	N	Sub recipient Place of Performance (city, state, congressional district, and country). The physical location of primary place of performance.	string	9	2.2E+08				This field is mandatory	N					106	94	54	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS
84	CG	Sub recipient Place of Performance - City	see recipient POP information above....same but using PO location etc.	N	Sub recipient Place of Performance (city, state, congressional district, and country). The physical location of primary place of performance.	string	35	Rockville				This field is mandatory	N					108	95	55	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS
85	CG	Sub recipient Place of Performance - Congressional District	see recipient POP information above....same but using PO location etc.	N	Sub recipient Place of Performance (city, state, congressional district, and country). The physical location of primary place of performance.	string	2	8	This field is mandatory			This field is mandatory	N					109	96	56	DIV	1X per award	System will derive address from Congressional District input on ARRA header for LBNL as Prime (for Contracts and Grants)	RON	CL/AS

Grant vs Contract	Data Element - XML Tag (Data Model)	LBNL Definition	Def Follow-up Required	Definition (Data Model)	Type (Data Model)	Max Length (Data Model)	Example (Data Model)	Comments (Data Model)	Control (Data Model)	Existing Source Systems (Data Model 6/22)	Validation and Business Rule(s) (Data Model)	New Field	OMB 6/22	FAR	Contract Source (LBNL Tables)	Grant Source (LBNL tables)	Original Sorting Item #	P,S,V Sorting Item #	P,S,V,NAI, NA Sorting Item #	WHO	How often	How	BSA TESTER	FUNCTIONAL TESTER
86	CG	Sub Recipient indication of reporting applicability	"Yes" - See BSO email confirming that should be top five LBNL employees 8/19/2009 (email from S. Green)	N	Names and total compensation of each of the five most highly compensated officers of the recipient for the calendar year in which the award is awarded if—  (i) In the recipient's preceding fiscal year, the recipient received—  (A) 80 percent or more of its annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and  (B) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and  (ii) The public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986.	string	3	Yes	This is a Yes or No field		If all of the conditions in the definition apply the recipient must report in the highly compensated fields	Y			constant	constant	74	31	31	HR	1X entry	s/b applied systemically to every project/awd	UK	CL
87	CG	Sub Recipient Highly Compensated Name(5)	PLbnl_arra_det.ZP_Arra_Ofcr_Name1 - Name5	N	Names of each of the five most highly compensated officers of the sub recipient for the calendar year in which the award is awarded if—  (i) In the sub recipient's preceding fiscal year, the sub recipient received—  (A) 80 percent or more of its annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and  (B) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and  (ii) The public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986.	string array	55	Tom Jones John Doe Mary Smith Ivana B. Rich Amanda King	This is a conditional field based on the sub recipient indication of reporting applicability data element	April 1, 2009 Federal Register	This is a conditional field based on the "Sub Recipient indication of reporting applicability" data element  If all of the conditions in the definition apply the recipient or delegated sub recipient must report in the highly compensated fields	N					112	98	58	PROC	1X per Subaward	Buyer inputs on Mod table		
88	CG	Sub Recipient Highly Compensated Compensation(5) (Conditional)	Will be provided by HR	AM/HR	For the five most highly compensated officers of the recipient: total compensation "Total compensation" is defined for Grants and Loans: "Total compensation" means the cash and noncash dollar value earned by the executive during the sub recipient's past fiscal year of the following (for more information see 17 CFR 229.402(c)(2)): (i). Salary and bonus. (ii). Awards of stock, stock options, and stock appreciation rights. Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with FAS 123R. (iii). Earnings for services under non-equity incentive plans. Does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives, and are available generally to all salaried employees. (iv). Change in pension value. This is the change in present value of defined benefit and actuarial pension plans. (v). Above-market earnings on deferred compensation which are not tax-qualified. (vi). Other compensation. For example, severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property if the value for the executive exceeds \$10,000. Federally Awarded Contracts: For Grants and Loans Only	Currency Array (Dollar value - numeric)	18,2	100000.01 500000.01 400000.01 350000.01 700000.01	This is a conditional field based on the "Prime Recipient indication of reporting applicability" data element	April 1, 2009 Federal Register	This is a conditional field based on the "Prime Recipient indication of reporting applicability" data element  If all of the conditions in the definition apply the recipient must report in the highly compensated fields	N					76	33	33	HR to manage data collection will forward to BO for input, HR will notify BO if any updates	Reviewed QTRLY and updated as needed (keep in constant table - input screen)	s/b applied/updated systemically to every project/awd	UK	CL
89	CG	Total Subaward Funds Disbursed	Contract Value per RAPID or Cash?	Y - AS added	For Grants and Loans Only Amount of Subaward Disbursed. The cumulative amount of cash disbursed to the sub-awardee as of the reporting period end date.	Currency (Dollar value - numeric)	18,2	200000		April 1, 2009 Federal Register	This is a mandatory field	N					99	100	60	Systemic	Systemic	CV or Cash?	RON	AS
90	N/A: Inferred CG	ParentDunsNumber	For LBNL Parent = Prime N above address is Primary place of performance vs physical location of "Parent Recipient" (Assume data elements 68 78 will be inferred via DUNS via CCR)	N	Unique Identifier of Parent Organization / Company (DUNS No.)	string	9	This field is inferred; obtained through CCR.	The System will pull this parent organization DUNS# from CCR	Transparency Act Guidance March 30, 2007	D&B CCR eSRS FPDS USASpending	N					10	63	68					



	Grant vs Contract	Data Element - XML Tag (Data Model)	LBNL Definition	Def Follow-up Required	Definition (Data Model)	Type (Data Model)	Max Length (Data Model)	Example (Data Model)	Comments (Data Model)	Control (Data Model)	Existing Source Systems (Data Model 6/22)	Validation and Business Rule(s) (Data Model)	New Field	OMB 6/22	FAR	Contract Source (LBNL Tables)	Grant Source (LBNL tables)	Original Sorting Item #	P,S,V Sorting Item #	P,S,V,NAI, NA Sorting Item #	WHO	How often	How	BSA TESTER	FUNCTIONAL TESTER
91	N/A: inferred CG	Recipient Type		N	This data element is inferred from CCR. The field inferred is "Business Type" in CCR.	string	300	2F - U.S. State Government M8 - Educational Institution	The System will pull this field from CCR	April 1, 2009 Federal Register		Fixed list from CCR	Y					12	64	69					
92	N/A: inferred CG	Recipient Legal Name		N	Recipient name and address of Organization. The legal and DBA (Doing-Business-As) name of recipient organization and address, including zip code. This should be the same name and address that appears in recipient's Central Contractor Registration (CCR) profile.	string	120	This field is inferred; obtained through CCR	The System will pull this information from CCR	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		Data populated from details found in CCR through the Recipient DUNS# look-up	Y					17	65	70					
93	N/A: inferred CG	Recipient DBA Name		N	Recipient name and address of Organization. The legal and DBA (Doing-Business-As) name of recipient organization and address, including zip code. This should be the same name and address that appears in recipient's Central Contractor Registration (CCR) profile.	string	120	This field is inferred; obtained through CCR	The System will pull this information from CCR	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		Data populated from details found in CCR through the Recipient DUNS# look-up	Y					18	66	71					
94	N/A: inferred CG	RecipientAddress1		N	Recipient name and address of Organization. The legal and DBA (Doing-Business-As) name of recipient organization and address, including zip code. This should be the same name and address that appears in recipient's Central Contractor Registration (CCR) profile.	string	55	This field is inferred; obtained through CCR	The System will pull this information from CCR	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		Data populated from details found in CCR through the Recipient DUNS# look-up	N					19	67	72					
95	N/A: inferred CG	RecipientAddress2		N	Recipient name and address of Organization. The legal and DBA (Doing-Business-As) name of recipient organization and address, including zip code. This should be the same name and address that appears in recipient's Central Contractor Registration (CCR) profile.	string	55	This field is inferred; obtained through CCR	The System will pull this information from CCR	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		Data populated from details found in CCR through the Recipient DUNS# look-up	N					20	68	73					
96	N/A: inferred CG	RecipientAddress3		N	Recipient name and address of Organization. The legal and DBA (Doing-Business-As) name of recipient organization and address, including zip code. This should be the same name and address that appears in recipient's Central Contractor Registration (CCR) profile.	string	55	This field is inferred; obtained through CCR	The System will pull this information from CCR	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		Data populated from details found in CCR through the Recipient DUNS# look-up	N					21	69	74					
97	N/A: inferred CG	RecipientCity		N	Recipient name and address of Organization. The legal and DBA (Doing-Business-As) name of recipient organization and address, including zip code. This should be the same name and address that appears in recipient's Central Contractor Registration (CCR) profile.	string	35	This field is inferred; obtained through CCR	The System will pull this information from CCR	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		Data populated from details found in CCR through the Recipient DUNS# look-up	N					22	70	75					
98	N/A: inferred CG	RecipientState		N	Recipient name and address of Organization. The legal and DBA (Doing-Business-As) name of recipient organization and address, including zip code. This should be the same name and address that appears in recipient's Central Contractor Registration (CCR) profile.	string	2	This field is inferred; obtained through CCR	The System will pull this information from CCR	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		Data populated from details found in CCR through the Recipient DUNS# look-up	N					23	71	76					
99	N/A: inferred CG	RecipientZipcode		N	Recipient name and address of Organization. The legal and DBA (Doing-Business-As) name of recipient organization and address, including zip code. This should be the same name and address that appears in recipient's Central Contractor Registration (CCR) profile.	string	9	This field is inferred; obtained through CCR	The System will pull this information from CCR	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		Data populated from details found in CCR through the Recipient DUNS# look-up	N					24	72	77					
##	N/A: inferred CG	RecipientCountry		N	Recipient name and address of Organization. The legal and DBA (Doing-Business-As) name of recipient organization and address, including zip code. This should be the same name and address that appears in recipient's Central Contractor Registration (CCR) profile.	string	3	This field is inferred; obtained through CCR	The System will pull this information from CCR	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		Data populated from details found in CCR through the Recipient DUNS# look-up	Y					25	73	78					
##	N/A: inferred CG	Activity Description	Description inferred from NAICS code input see #19 above)	N	Description of the Activity Code for NAICS or NTEE-NPC.	string	2000	Support Activities for Forestry	This field is inferred from the Activity Code entered/provided			This field is inferred from the Activity Code entered/provided	Y			n/a	n/a	41	74	79					
##	N/A: inferred G	Infrastructure Contact Name	n/a for LBNL	N	<b>This is for grants and loans only</b> Name, phone number, address and email address of the appropriate contact.	string	120		This field is a conditional requirement associated with infrastructure investment (per agency solicitation)	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	CCR Egov		N					53	75	80					
##	N/A: inferred G	Infrastructure Contact Street Address 1	n/a for LBNL	N	<b>This is for grants and loans only</b> Name, phone number, address and email address of the appropriate contact.	string	55		This field is a conditional requirement associated with infrastructure investment (per agency solicitation)	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	CCR Egov		N					54	76	81					
##	N/A: inferred G	Infrastructure Contact Street Address 2	n/a for LBNL	N	<b>This is for grants and loans only</b> Name, phone number, address and email address of the appropriate contact.	string	55		This field is a conditional requirement associated with infrastructure investment (per agency solicitation)	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	CCR Egov		N					55	77	82					
##	N/A: inferred G	Infrastructure Contact Street Address 3	n/a for LBNL	N	<b>This is for grants and loans only</b> Name, phone number, address and email address of the appropriate contact.	string	55		This field is a conditional requirement associated with infrastructure investment (per agency solicitation)	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	CCR Egov		N					56	78	83					
##	N/A: inferred G	Infrastructure Contact City	n/a for LBNL	N	<b>This is for grants and loans only</b> Name, phone number, address and email address of the appropriate contact.	string	35		This field is a conditional requirement associated with infrastructure investment (per agency solicitation)	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	CCR Egov		N					57	79	84					



Grant vs Contract	Data Element - XML Tag (Data Model)	LBNL Definition	Def Follow-up Required	Definition (Data Model)	Type (Data Model)	Max Length (Data Model)	Example (Data Model)	Comments (Data Model)	Control (Data Model)	Existing Source Systems (Data Model 6/22)	Validation and Business Rule(s) (Data Model)	New Field	OMB 6/22	FAR	Contract Source (LBNL Tables)	Grant Source (LBNL tables)	Original Sorting Item #	P.S,V Sorting Item #	P.S,V,NAI, NA Sorting Item #	WHO	How often	How	BSA TESTER	FUNCTIONAL TESTER
## N/A: Inferred G	Infrastructure Contact State	n/a for LBNL	N	This is for grants and loans only Name, phone number, address and email address of the appropriate contact.	string	2		This field is a conditional requirement associated with infrastructure investment (per agency solicitation)	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	CCR Egov		N					58	80	85					
## N/A: Inferred G	Infrastructure State/Local Contact Zip Code + 4	n/a for LBNL	N	This is for grants and loans only Name, phone number, address and email address of the appropriate contact.	string	9		This field is a conditional requirement associated with infrastructure investment (per agency solicitation)	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	CCR Egov		N					59	81	86					
## N/A: Inferred G	Infrastructure Contact Email	n/a for LBNL	N	This is for grants and loans only Name, phone number, address and email address of the appropriate contact.	string	320		This field is a conditional requirement associated with infrastructure investment (per agency solicitation)	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	CCR Egov		N					62	82	87					
## N/A: Inferred G	Infrastructure Contact Phone	n/a for LBNL		This is for grants and loans only Name, phone number, address and email address of the appropriate contact.	string	30		This field is a conditional requirement associated with infrastructure investment (per agency solicitation)				Y					63	83	88					
## N/A: Inferred G	Infrastructure Contact Extn	n/a for LBNL		This is for grants and loans only Name, phone number, address and email address of the appropriate contact.	string	10		This field is a conditional requirement associated with infrastructure investment (per agency solicitation)				Y					64	84	89					
## N/A: Inferred CG	Sub recipient Legal Name	See DUNS entered #45 above (above is Primary Place of performance vs physical location	N	The legal name of sub recipient as registered in CCR or D&B	string	120	This field is inferred; obtained through CCR or D&B.	The System will pull this information from CCR or D&B	April 1, 2009 Federal Register	D&B CCR eSRS FPDS USASpending	Data Populated from details found in CCR or D&B through the DUNS# look-up	N					87	104	90					
## N/A: Inferred CG	Sub recipient DBA Name			The Doing Business-As (DBA) name of sub recipient as registered in CCR or D&B	string	120	This field is inferred; obtained through CCR or D&B.	The System will pull this information from CCR or D&B	April 1, 2009 Federal Register		Data Populated from details found in CCR or D&B through the DUNS# look-up	Y					88	105	91					
## N/A: Inferred CG	SubRecipientAddress1		N	Sub recipient Location. Physical location as listed in the Central Contractor Registration.	string	55	This field is inferred; obtained through CCR or D&B.	The System will pull this information from CCR or D&B	April 1, 2009 Federal Register	D&B CCR eSRS FPDS USASpending	Data Populated from details found in CCR or D&B through the DUNS# look-up	N					89	106	92					
## N/A: Inferred CG	SubRecipientAddress2		N	Sub recipient Location. Physical location as listed in the Central Contractor Registration.	string	55	This field is inferred; obtained through CCR or D&B.	The System will pull this information from CCR or D&B	April 1, 2009 Federal Register	D&B CCR eSRS FPDS USASpending	Data Populated from details found in CCR or D&B through the DUNS# look-up	N					90	107	93					
## N/A: Inferred CG	SubRecipientAddress3		N	Sub recipient Location. Physical location as listed in the Central Contractor Registration.	string	55	This field is inferred; obtained through CCR or D&B.	The System will pull this information from CCR or D&B	April 1, 2009 Federal Register	D&B CCR eSRS FPDS USASpending	Data Populated from details found in CCR or D&B through the DUNS# look-up	N					91	108	94					

Grant vs Contract	Data Element - XML Tag (Data Model)	LBNL Definition	Def Follow-up Required	Definition (Data Model)	Type (Data Model)	Max Length (Data Model)	Example (Data Model)	Comments (Data Model)	Control (Data Model)	Existing Source Systems (Data Model 6/22)	Validation and Business Rule(s) (Data Model)	New Field	OMB 6/22	FAR	Contract Source (LBNL Tables)	Grant Source (LBNL tables)	Original Sorting Item #	P.S,V Sorting Item #	P.S,V,NAI, NA Sorting Item #	WHO	How often	How	BSA TESTER	FUNCTIONAL TESTER
## N/A: Inferred CG	SubRecipientCity		N	Sub recipient Location. Physical location as listed in the Central Contractor Registration.	string	35	This field is inferred; obtained through CCR or D&B.	The System will pull this information from CCR or D&B	April 1, 2009 Federal Register	D&B CCR eSRS FPDS USASpending	Data Populated from details found in CCR or D&B through the DUNS# look-up	N					92	109	95					
## N/A: Inferred CG	SubRecipientState		N	Sub recipient Location. Physical location as listed in the Central Contractor Registration.	string	2	This field is inferred; obtained through CCR or D&B.	The System will pull this information from CCR or D&B	April 1, 2009 Federal Register	D&B CCR eSRS FPDS USASpending	Data Populated from details found in CCR or D&B through the DUNS# look-up	N					93	110	96					
## N/A: Inferred CG	Sub recipient Zip+4		N	Sub recipient Location. Physical location as listed in the Central Contractor Registration.	string	9	This field is inferred; obtained through CCR or D&B.	The System will pull this information from CCR or D&B	April 1, 2009 Federal Register	D&B CCR eSRS FPDS USASpending	Data Populated from details found in CCR or D&B through the DUNS# look-up	N					94	111	97					
## N/A: Inferred CG	Sub recipient Country			Sub recipient Location. Physical location as listed in the Central Contractor Registration.	string	3	This field is inferred; obtained through CCR or D&B.	The System will pull this information from CCR or D&B	April 1, 2009 Federal Register		Data Populated from details found in CCR or D&B through the DUNS# look-up	Y					95	112	98					
## N/A: Inferred CG	Sub recipient Type		N	This data element is inferred from CCR. The field inferred is "Business Type" in CCR.	string	300	2F - U.S. State Government  M8 - Educational Institution	The System will pull this field from CCR	April 1, 2009 Federal Register	FPDS USASpending FAADS+	Fixed list from CCR	N					97	113	99					
## N/A	RecipientMPINNumber	Assigned to us by CCR, can do a lot if you have this number	removed	The MPIN is a mandatory data element created by the CCR registrant and must have nine characters: at least one letter (upper or lower case) and one number. No spaces or special characters are permitted. .	string	9	Personal to the Prime Recipient	The Prime Recipient is prompted at report submission to provide the MPIN#. Currently Recipients with Loan award are not registered in CCR, hence do not have a MPIN#.		CCR	A Marketing Partner ID Number (MPIN) is a personal code that allows you to access other government applications such as the Past Performance Information Retrieval System (PPIRS) and the Online Representations and Certifications Application (ORCA). The MPIN acts as your password in these other systems, and you should guard it as such. ONLINE ONLY <i>See validation.</i>	N					9	45	100					
## N/A	RecipientEIN		N	The recipient organization's Employer Identification Number (EIN) provided by the Internal Revenue Service.	string	13	This field is inferred; obtained through CCR.	The System will pull EIN from CCR	April 1, 2009 Federal Register	CCR		N					11	46	101					
## N/A	RecipientName		N	Recipient Name and Address of Organization. The legal name of recipient organization and address, including zip code. This should be the same name and address that appears in recipient's Central Contractor Registration profile.	string	55	This field is inferred; obtained through CCR.	The System will pull this information from CCR	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	D&B CCR eSRS FPDS USASpending	Data Populated from details found in CCR through the DUNS# look-up	N					16	47	102					

Grant vs Contract	Data Element - XML Tag (Data Model)	LBNL Definition	Def Follow-up Required	Definition (Data Model)	Type (Data Model)	Max Length (Data Model)	Example (Data Model)	Comments (Data Model)	Control (Data Model)	Existing Source Systems (Data Model 6/22)	Validation and Business Rule(s) (Data Model)	New Field	OMB 6/22	FAR	Contract Source (LBNL Tables)	Grant Source (LBNL tables)	Original Sorting Item #	P.S,V Sorting Item #	P.S,V,NAI, NA Sorting Item #	WHO	How often	How	BSA TESTER	FUNCTIONAL TESTER
## N/A	ProjectGrantPeriod	The extract is pulling the start and end dates from the ARRA Header.....lbnl_arra_rpt_start_date to lbnl_arra_rpt_end_date (Do we use the start date on the WAS? Opening of the 1st project? The funding date?) Use WAS date as start date on header. Needs to be included in training	N	Project/Grant Period (Period of performance) Indicates the project/grant period established in the award document during which Federal sponsorship begins and ends. Note: Some agencies award multi-year grants for a project/grant period (e.g., 5 years) that are funded in increments known as budget periods or funding periods. These are typically annual increments. Please provide the total project/grant period, not the individual budget period or funding period.	Date Range (YYYYMM DD-YYYYMM DD)-YYYYMM DD)	17	YYYYMM DD-YYYYMM DD-20090615-20100615		April 1, 2009 Federal Register	FPDS USASpending		N					28	48	103					
## N/A	ReportPeriodEndDate		N	Reporting Period End Date. The frequency of required reporting is quarterly. Provide the ending date of the reporting period. For quarterly reports, the following calendar quarter reporting period end dates shall be used: 6/30; 9/30; 12/31; or 3/31. For final reports, the reporting period and date shall be the end date of the project/grant period.	Date (YYYYMM DD)	8	YYYYMM DD) 20100615		April 1, 2009 Federal Register	eSRS USASpending FPDS		N					29	49	104					
## N/A	ReportTypeFreq		N	Report or Frequency. Select "quarterly" for quarterly reports.	string	22	QUARTERLY if "N" on FinalReport then "Quarterly"		April 1, 2009 Federal Register			N					31	50	105					
## N/A	Activity_Code	Get from the ARRA Header	N	Description of Project or Activity (NAICS code(s) or NTEE-NPC code(s)). string For awards primarily funding infrastructure projects or activities, as defined by the awarding agency, provide the North American Industry Classification System (NAICS) code(s) that describe the Recovery Act projects or activities under this award. A searchable code list is at http://www.census.gov/naics/. For all other awards, provide the National Center for Charitable Statistics "NTEE-NPC" code(s) that describe the Recovery Act projects or activities under this award. A searchable code list is at http://nccsdataweb.urban.org/PubApps/nteeSearch.php?gOry=all-core&codeType=NPC.		20	115310 NAICS Code- Contracts		April 1, 2009 Federal Register	eSRS FPDS USASpending	NAICS - annual; NPC - N annual						36	51	106					
## N/A	Activity_description		Y	Description of Project or Activity	string	2000	Support Activities for Forestry)- Contracts			eSRS FPDS USASpending	Inferred from Activity Code	N					37	52	107					
## N/A	FedExpenditure	Total Costs LTD	N	Amount of recovery funds received that were expended to projects or activities ("Federal Share of Expenditures"). The cumulative total for the amount of Federal fund expenditures. For reports prepared on a cash basis, expenditures are the sum of cash disbursements for direct charges for property and services; the amount of indirect expense charged; the value of third-party in-kind contributions applied; and the amount of cash advance payments and payments made to subcontractors and subawardees. For reports prepared on an accrual basis, expenditures are the sum of cash disbursements for direct charges for property and services; the amount of indirect expense incurred; the value of in-kind contributions applied; and the net increase or decrease in the amounts owed by the recipient for (1) goods and other property received; (2) services performed by employees, contractors, subcontractors, subawardees, and other payees; and (3) programs for which no current services or performance are required. Do not include program income expended.	Currency (Dollar value - numeric)	18	2E+08		April 1, 2009 Federal Register ARRA		TotalFedARRAExpenditure should not exceed the FedExpenditure	N					46	53	108					
## N/A	TotalInfrastructureExpenditures	Brian Fox to research...N/A	N	Total cost of infrastructure investment made by State and Local governments. Provide the cumulative total cost of investment. This amount should include the total cumulative federal expenditures and non-federal expenditures for the infrastructure investment: Federal (Recovery Act funds): \$IIIIIII.Federal (non-Recovery Act funds): \$IIIIIII. NonFederal: \$IIIIIII.	Currency (Dollar value - numeric)	18	2E+08		April 1, 2009 Federal Register		Warning Business Rule: This amount is the SUM of TotalFedARRAExpenditure +TotalFedNonARRAExpenditure +TotalNonFedExpenditure	N					47	54	109					
## N/A	TotalFedNonARRAExpenditure	Brian Fox to research...N/A	N	Total federal non-ARRA expenditure	Currency (Dollar value - numeric)	18	4.5E+07		April 1, 2009 Federal Register			N					49	55	110					
## N/A	TotalNonFedExpenditure	Brian Fox to research...N/A	N	Total non-federal expenditure	Currency (Dollar value - numeric)	18	1.9E+08		April 1, 2009 Federal Register			N					50	56	111					
## N/A	StateLocalContactCountyCode		N	Name, phone number, address and email address of the appropriate contact in the state/local government.	string	55	This field is inferred; from CCR obtained through CCR.	The System will pull this information	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	CCR Egov	Data Populated from details found in CCR through the DUNS# look-up	N					60	57	112					
## N/A	StateLocalContactCongressionalDistrict (optional)		N	Name, phone number, address and email address of the appropriate contact in the state/local government.	string	2	05	This field is optional	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007	CCR Egov	Data Populated from details found in CCR through the DUNS# look-up	N					61	58	113					
## N/A	PopCountyCode	lookup from new table which will contain the FIPS-55 codes and values	N	Recipient Primary Place of Performance (city, state, congressional district, and country) physical location of primary place of performance.	string	3	031 (Montgomery)	FIPS- 55	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007		FIPS-55	N					70	59	114					
## N/A	RecipientAreaOfBenefit	Hard code County, (constant value)	N	The area of benefit may be: State, County, City, School District	string	16	County	FIPS- 55			fixed list: State, County, City, School District	N					73	60	115					

Grant vs Contract	Data Element - XML Tag (Data Model)	LBNL Definition	Def Follow-up Required	Definition (Data Model)	Type (Data Model)	Max Length (Data Model)	Example (Data Model)	Comments (Data Model)	Control (Data Model)	Existing Source Systems (Data Model 6/22)	Validation and Business Rule(s) (Data Model)	New Field	OMB 6/22	FAR	Contract Source (LBNL Tables)	Grant Source (LBNL tables)	Original Sorting Item #	P.S,V Sorting Item #	P.S,V,NAL, NA Sorting Item #	WHO	How often	How	BSA TESTER	FUNCTIONAL TESTER
##	N/A	TotalNumberSmallSubawards	This is a count of PO's where award amount is <25k and the NEW FIELD is set. New field to determine if the PO is to an individual, this will be stored on the MOD table	Y	Total Number of Subcontracts and Sub-awards less than \$25,000/award and awarded to individuals.	string	6	10	April 1, 2009 Federal Register			N					77	61	116					
##	N/A	TotalAmountSmallSubawards	---see above, but for dollar amounts	Y	Total Amount of Subcontracts and Subawards less than \$25,000/award and awarded to individuals.	Currency (Dollar value - numeric)	20	240000	No single award can exceed \$24,999 or must be submitted individually	April 1, 2009 Federal Register		N					78	62	117					
##	N/A	SubawardProjectGrantPeriod	start and end dates from the MOD table	N	Subaward Project/Grant Period, the project/grant period established in the subaward document during which sponsorship begins and ends. For multi-year awards for a project/grant period (e.g., 5 years) that are funded in increments known as budget periods or funding periods, please provide the total project/grant period, not the individual budget period or funding period.	Date Range (YYYYMM DD-YYYYMM DD)	17	20091212-	This date range should start from the 20101212 "start date" to the "end date"	April 1, 2009 Federal Register		N					101	101	118					
##	N/A	SubRecipientPopCountyCode	see recipient POP information above... same but using PO location etc.	N	Subrecipient Place of Performance (city, state, congressional district, and country). physical location of primary place of performance.	string	3	031 (Montgomery)	April 1, 2009 Federal Register Transparency Act Guidance March 30, 2007			N					107	102	119					
##	N/A	SubRecipientAreaOfBenefit	County - Hard code, (constant value)	N	The area of benefit may be: State, County, City, School District	string	8	County				N					110	103	120					

**Attachment 3**

**Memo: Standard Hour Conversion to FTE Metric (with attachment)**

**Memo: Purchased Services or Materials Cost Conversion to FTE Metric (with attachments)**



November 6, 2009

To: Memorandum for the Budget Office Files

From: Anne Moore, Direct Budget Manager

Subject: American Recovery & Reinvestment Act (ARRA) Funds to Tier I Subcontractors from LBNL - Purchased Services or Material Cost Conversion to FTE Metric - Revision 1. (See March 24, 2009 for initial assumption.)

A reporting requirement for the ARRA Act [reference, Contract Clause T.999 Special Provisions related to Work Funded Under American Recovery & Reinvestment Act of 2009 (Feb 2009)] is that LBNL must report the estimated number of jobs created and the estimated number of jobs retained from its First-tier Subcontractors paid by funds from ARRA. The number shall be expressed as "full-time equivalent" (FTE) and as defined by LBNL's existing personnel procedures.

Based on the attached memo from the Office of the Secretary, (see item 1. "Public Commentary on Jobs Estimates" received via email 9/15/09) which cites the Council on Economic Advisors formula: \$92,000 = one job-year, the cost of services/materials (before LBNL burdens) from First-tier Subcontractors will be converted to an equivalent number of FTEs using this conversion rate as required.

Note: use of this conversion rate was approved by the LBNL Stimulus Steering Committee on 10/01/09.



**Department of Energy**  
Washington, DC 20585

M-01-01

**MEMORANDUM FOR THE HEADS OF DOE PROGRAM OFFICES**

**FROM:** Matt Rogers

**SUBJECT:** Department of Energy Policy on Reporting Jobs Created Under Recovery Act

This memo communicates to Program Offices guidance related to jobs created or retained under the American Recovery and Reinvestment Act of 2009 (Recovery Act). The memo requires that Offices:

1. Communicate estimated jobs numbers in public statements, congressional hearings, or other public venues only using the Council of Economic Advisors established methodology.
2. Participate in the review process of [FederalReporting.gov](http://FederalReporting.gov) data as directed.
3. Collect additional jobs data.

Programs Offices are requested to share this memo with budget and Recovery Act personnel.

**1. Public Communications on Job Estimates:**

The Council of Economic Advisors (CEA) requires that all DOE programs estimate jobs created or retained from Recovery Act spending use the formula: \$92,000 in Federal spending = one job-year (direct, indirect, and induced). This methodology was created using a macroeconomic model based on information from multiple agency energy-related programs and estimating energy-related jobs creation. For consistency in all White House and DOE public communications, Program Offices may not communicate estimated jobs numbers in public statements, congressional hearings, or other public venues that were generated using an alternate methodology.

**2. OMB Requirements for Recipient Reporting of Jobs Data and DOE Review**

Per Section 1512 of the Recovery Act, OMB will require recipients of Recovery Act grants, loans, and other forms of assistance to report quarterly on direct jobs created or retained to the website [FederalReporting.gov](http://FederalReporting.gov), beginning on October 10, 2009. This data will be made available to the public as part of the effort to increase transparency and accountability. DOE has prepared materials to help our recipients meet this requirement that can found at [http://www.energy.gov/recovery/ARRA\\_Reporting\\_Requirements.htm](http://www.energy.gov/recovery/ARRA_Reporting_Requirements.htm). DOE encourages recipients to report actual jobs created and retained. In cases where reporting actual jobs is too burdensome for recipients, DOE has developed supplemental guidance for recipients to request to use a statistical estimation technique. However, contractors subject to Federal Acquisition



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March 23, 2009

To: Memorandum for Budget Office File

From: Brian Fox, Indirect Budget Manager

Subject: American Recovery & Reinvestment Act (ARRA) Funds to Tier 1 Subcontractors from  
LBNL -- Standard Hour Conversion to FTE Metric

A reporting requirement for the ARRA Act [reference, Contract Clause H.999 Special Provisions Relating to Work Funded Under American Recovery & Reinvestment Act of 2009 (Feb 2009)] is that LBNL must report the estimated number of jobs created and the estimated number of jobs retained from its First-tier Subcontractors paid by funds from ARRA.<sup>1</sup> The number shall be expressed as "full-time equivalent" (FTE) and as defined by LBNL's existing personnel procedures.<sup>2</sup>

Based on LBNL's historical information, the number of annual productive hours per FTE is 1,820 hours / year. Hourly information from First-tier Subcontractors will be converted to FTE using this conversion rate. Attachment 1 is the detail derivation of 1,820 hours / FTE.

<sup>1</sup> Contract Clause H.999, page 2

<sup>2</sup> ibid.



Attachment 1

Summary of LBNL's Productive Hours

Base on GRI Overhead Labor Base

GRI MON PLF	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Ave PLF
FY07	0.9200	0.8405	0.7053	0.8400	0.8825	0.9270	0.9154	0.8825	0.9083	0.8517	0.8803	0.8757	0.8692
FY08	0.9326	0.8432	0.6750	0.8436	0.8910	0.9250	0.9317	0.8825	0.9114	0.8653	0.8939	0.8849	0.8737
FY09	0.9290	0.8354	0.6905	0.8442	0.8983	0.9260	0.9235	0.8825	0.9098	0.8585	0.8871	0.8803	0.8716

MON Hrs	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
FY07	176	176	168	184	160	176	168	184	168	176	184	160	2,080
FY08	184	176	168	184	168	176	176	176	168	184	168	176	2,096
FY09	184	160	184	176	160	176	176	168	176	184	168	176	2,088

MON GRI Productive Hrs	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
FY07	161.9	147.9	118.5	154.6	141.2	163.2	153.8	162.4	152.6	149.9	162.0	140.1	1,808.0
FY08	171.6	148.4	113.4	155.2	149.7	155.4	164.0	155.3	153.1	159.2	150.2	155.7	1,831.3
FY09	170.9	133.7	127.0	148.6	143.7	163.0	162.5	148.3	160.1	158.0	149.0	154.9	1,819.8
3 Yr Average Hrs													1,819.7

GRI BWK PLF	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Ave PLF
FY07	0.8907	0.8409	0.9082	0.7008	0.8695	0.9098	0.8912	0.9021	0.8673	0.8535	0.8994	0.8822	0.8613
FY08	0.9005	0.8330	0.7637	0.7655	0.8789	0.9258	0.9102	0.9078	0.8765	0.8802	0.9058	0.8401	0.8642
FY09	0.9108	0.9274	0.7458	0.7077	0.8760	0.9178	0.9007	0.9049	0.8719	0.8669	0.9026	0.8612	0.8640

BWK Hrs	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
FY07	120	200	120	240	160	160	160	200	160	160	200	200	2,080
FY08	160	160	120	240	160	160	200	160	160	200	160	216	2,096
FY09	144	160	200	160	160	160	200	160	160	200	160	224	2,088

BWK GRI Productive Hrs	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
FY07	106.9	168.2	109.0	168.2	139.1	145.6	142.6	180.4	138.8	136.6	179.9	176.4	1,791.6
FY08	144.1	133.3	91.6	183.7	140.6	148.1	182.0	145.3	140.2	176.0	144.9	181.5	1,811.5
FY09	131.1	148.4	149.2	113.2	140.2	146.8	180.1	144.8	139.5	173.4	144.4	192.9	1,804.1
3 Yr Average Hrs													1,802.4

GRI	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Ave
% MON FTE to total FTE													
FY07	86.2%	86.5%	86.4%	86.7%	86.5%	86.4%	86.5%	86.5%	85.5%	84.7%	83.5%	84.8%	85.8%
FY08	85.5%	85.4%	86.1%	86.7%	86.4%	86.2%	86.5%	85.9%	85.2%	84.4%	84.3%	86.1%	85.7%
Projected FY09 %MON	86.8%	86.7%	87.4%	87.3%	86.3%	86.2%	86.5%	85.9%	85.2%	84.4%	84.3%	86.1%	86.1%
FY07 Wt Ave Hrs	154.3	150.7	117.2	156.4	140.9	160.8	152.3	164.8	150.6	147.9	164.9	145.6	1806.3
FY08 Wt Ave Hrs	167.6	146.2	110.4	159.0	148.5	154.4	166.4	153.9	151.2	161.8	149.3	159.3	1828.1
FY09 Wt Ave Hrs	165.7	135.6	129.8	144.1	143.2	160.7	164.9	147.8	157.1	160.4	148.3	160.2	1817.9
Wt Ave MON & BWK Hrs													1,817.4

Note, Projected Monthly FY09 PLF from Mar to Sep = Average FY07 & FY08  
FY07, FY08 & FY09 Oct to Feb are actual PLF.

Annual Hours / FTE  
Round to 1,820



**Budget Office**  
One Cyclotron Road, MS: 90H  
Berkeley, CA 94720  
Voice: 510.486.5293/ Fax: 510.486.6282

March 24, 2009

To: Memorandum for Budget Office File

From: Ann Moore, Direct Budget Manager *dm*

Subject: American Recovery & Reinvestment Act (ARRA) Funds to Tier 1 Subcontractors from  
LBNL – Purchased Services or Materials Cost Conversion to FTE Metric

A reporting requirement for the ARRA Act [reference, Contract Clause H.999 Special Provisions Relating to Work Funded Under American Recovery & Reinvestment Act of 2009 (Feb 2009)] is that LBNL must report the estimated number of jobs created and the estimated number of jobs retained from its First-tier Subcontractors paid by funds from ARRA.<sup>1</sup> The number shall be expressed as “full-time equivalent” (FTE) and as defined by LBNL’s existing personnel procedures.<sup>2</sup>

Based on 4<sup>th</sup> quarter 2008 US GDP of \$14.3 trillion and the number employed of 142 million in Jan 2009, the calculated GDP per worker is \$100K. The calculated \$100K per worker is used to calculate the equivalent of one FTE for every \$100K of purchased services or materials. The cost of services or materials (before LBNL burdens) from First-tier Subcontractors will be converted to an equivalent number of FTEs using this conversion rate.

Attachment 1 is an article from Fisher Investments that provided the logic for calculating the \$100K of GDP per worker.

Attachment 2 is Table 1.1.5 Gross Domestic Product from the Bureau of Economic Analysis

Attachment 3 is Table A-3 Employment Status (number of employed) from the Bureau of Labor Statistics

<sup>1</sup> Contract Clause H.999, page 3

<sup>2</sup> *ibid.*

Attachment 1



**A Calculator, and Bananas**

Topic: US Economy Politics

2/19/2009 By Fisher Investments Editorial Staff

**Story Highlights:**

- The newly signed-into-law American Recovery and Reinvestment Act promises to save and create 3.5 million jobs—but this number rests on fuzzy mathematics.
- Historically, employment's peaks and troughs lag the economic cycle, which in turn lags the market.
- Given the stimulus package's size and scope, the government can monkey around all it wants initially, as long as that capital eventually makes its way to more efficient, private hands.

A room full of monkeys on typewriters eventually produces masterful literary works—or so we're told (we're doubtful). Is the same true for a room full of monkeys with calculators? We're not sure exactly, but maybe, just maybe, the result is justification behind the American Recovery and Reinvestment Act's (or less formally, the \$739 billion stimulus package) promise to create and "save" 3.5 million jobs.

What Nobel-prize winning econometrics was deployed to arrive at this scenario? Surely, an undertaking this noble—the creating and saving of millions of jobs—deserves some hardcore linear algebraic wizardry, no?

It's not hard to figure out where the 3.5 million number came from. The US economy shed about 3.6 million jobs since the recession's start, so 3.5 million created "or saved" jobs will mitigate job losses to almost pre-recession levels. But how do we know the price tag necessary to create and "save" those jobs?

Even after setting aside the impossible-to-measure "saved jobs" aspect, it's apparent the calculations behind the jobs creation number are wonky at best. Government economic advisers figured a \$775 billion "prototypical" stimulus package translates to an additional 3,675,000 jobs based on multipliers and the rule of thumb a 1% increase in GDP equals 1 million jobs created. But no one can quite describe with certainty what this multiplier is and how anyone arrived at it.

But allow us to take a stab at detailing how the economic gurus seem to have come up with \$790 billion creating and saving 3.5 million jobs:

Take the \$14.3 trillion US GDP.

Divide by 142 million employed people.

You get \$100,000 output per worker.

A \$790 billion stimulus plan spent roughly over two years equals \$395 billion per year.

Divide \$395 billion by \$100,000 per worker = 3.9 million jobs created in one year!

Round that down to 3.5 million, because it'll presumably take longer than two years for all that money to get spent!

No matter if this is their exact methodology—the point is all this is fuzzy math no matter which way you spin it. The real puzzler, though, is the administration's determined focus on unemployment as the metric signaling the stimulus is working. To us, it seems they're setting themselves up for failure. Unemployment will, in all likelihood, be one of the last economic numbers to improve. Unemployment is a lagging economic indicator. Historically, employment's peaks and troughs lag the economic cycle, which in turn lags the market. Said another way, the economy will recover before employment recovers, and the market will recover before the economy.

Don't expect the stimulus to be perfect. Rather than focus on its minute details or its political promises (i.e., 3.5 million jobs), it's more important to see the stimulus as a massive spending boost. Given the package's size and scope, the government can monkey around all it wants initially, as long as that capital eventually makes its way to more efficient, private hands and increases velocity.

\*The content contained in this article represents only the opinions and viewpoints of the Fisher Investments editorial staff.



Attachment 2

Table 1.1.5 Gross Domestic Product

[Billions of dollars]

Seasonally adjusted at annual rates

Bureau of Economic Analysis

Downloaded on 3/25/2009 At 11:29:26 AM Last Revised February 27, 2009

Line		2007-I	2007-II	2007-III	2007-IV	2008-I	2008-II	2008-III	2008-IV
1	Gross domestic product	13,510.9	13,737.5	13,950.6	14,031.2	14,150.8	14,294.5	14,412.8	14,200.3
2	Personal consumption expenditures	9,524.9	9,657.5	9,765.6	9,892.7	10,002.3	10,138.0	10,163.5	9,923.5
3	Durable goods	1,076.6	1,085.3	1,086.2	1,083.0	1,071.0	1,059.3	1,016.2	946.3
4	Nondurable goods	2,761.5	2,817.7	2,846.6	2,906.2	2,950.7	3,026.2	3,044.6	2,839.3
5	Services	5,686.8	5,754.4	5,832.8	5,903.5	5,980.6	6,052.5	6,102.7	6,137.9
6	Gross private domestic investment	2,117.8	2,147.2	2,164.0	2,092.3	2,056.1	2,000.9	2,010.9	1,915.1
7	Fixed investment	2,133.4	2,148.1	2,141.0	2,113.4	2,081.7	2,077.0	2,060.6	1,946.3
8	Nonresidential	1,456.4	1,493.7	1,522.9	1,542.1	1,553.6	1,571.9	1,581.2	1,507.4
9	Structures	449.6	469.8	492.9	508.7	522.7	549.8	572.4	573.7
10	Equipment and software	1,006.8	1,023.9	1,030.0	1,033.4	1,030.9	1,022.1	1,008.8	933.7
11	Residential	677.0	654.4	618.1	571.3	528.1	505.0	479.4	439.0
12	Change in private inventories	(15.6)	(0.9)	23.0	(21.1)	(25.6)	(76.0)	(49.7)	(31.3)
13	Net exports of goods and services	(728.8)	(723.1)	(682.6)	(696.7)	(705.7)	(718.2)	(707.7)	(551.5)
14	Exports	1,560.5	1,614.4	1,714.9	1,759.7	1,820.8	1,923.2	1,968.9	1,730.5
15	Goods	1,085.0	1,116.8	1,181.2	1,213.7	1,256.9	1,343.7	1,374.3	1,157.5
16	Services	475.5	497.6	533.8	546.0	563.9	579.5	594.6	573.0
17	Imports	2,289.4	2,337.5	2,397.5	2,456.5	2,526.5	2,641.4	2,676.6	2,282.0
18	Goods	1,917.4	1,957.1	2,005.4	2,060.9	2,118.0	2,225.5	2,251.0	1,868.1
19	Services	372.0	380.5	392.1	395.6	408.5	415.9	425.6	413.9
20	Government consumption expenditures and gross investment	2,597.0	2,655.9	2,703.5	2,742.9	2,798.1	2,873.7	2,946.1	2,913.2
21	Federal	950.3	974.6	994.0	998.3	1,026.5	1,056.1	1,098.0	1,106.4
22	National defense	636.9	656.8	675.6	679.3	699.9	723.3	759.5	756.6
23	Nondefense	313.4	317.8	318.3	319.0	326.6	332.9	338.5	349.9
24	State and local	1,646.8	1,681.3	1,709.5	1,744.6	1,771.6	1,817.6	1,848.1	1,806.8

99.932 Estimated GDP per worker:

<http://www.bea.gov/national/nipaweb/TableView.asp?SelectedTable=5&FirstYear=2007&LastYear=2008&Freq=Qtr>

Attachment 3

HOUSEHOLD DATA  
SEASONALLY ADJUSTED

HOUSEHOLD DATA  
SEASONALLY ADJUSTED

A-3 Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted

HOUSEHOLD DATA

(Numbers in thousands)

Employment status, sex, and age	2008												2009	
	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	
<b>TOTAL</b>														
Civilian noninstitutional population (1)	232,809	232,995	233,198	233,405	233,627	233,864	234,107	234,360	234,612	234,828	235,035	234,739	234,913	
Civilian labor force	153,498	153,843	153,932	154,510	154,400	154,506	154,823	154,621	154,878	154,620	154,447	153,716	154,214	
Percent of population	65.9	66	66	66.2	66.1	66.1	66.1	66	66	65.8	65.7	65.3	65.6	
Employed	146,075	146,023	146,257	145,974	145,738	145,596	145,273	145,029	144,637	144,144	143,338	142,099	141,748	
Employment-population ratio	62.7	62.7	62.7	62.5	62.4	62.3	62.1	61.9	61.7	61.4	61	60.5	60.3	
Unemployed	7,423	7,820	7,675	8,536	8,662	8,910	9,550	9,592	10,221	10,476	11,108	11,616	12,467	
Unemployment rate	4.8	5.1	5	5.5	5.6	5.8	6.2	6.2	6.6	6.8	7.2	7.6	8.1	
Not in labor force	79,311	79,152	79,267	78,895	79,227	79,358	79,284	79,730	79,734	80,208	80,588	81,023	80,699	
Persons who currently want a job	4,777	4,747	4,782	4,813	4,925	5,033	4,836	5,140	5,065	5,393	5,488	5,643	5,645	
<b>Men, 16 years and over</b>														
Civilian noninstitutional population (1)	112,596	112,695	112,803	112,912	113,029	113,154	113,281	113,414	113,546	113,660	113,769	113,573	113,666	
Civilian labor force	82,212	82,235	82,290	82,627	82,563	82,829	82,790	82,885	82,892	82,666	82,338	81,863	81,994	
Percent of population	73	73	73	73.2	73	73.2	73.1	73.1	73	72.7	72.4	72.1	72.1	
Employed	78,171	77,985	78,029	77,932	77,726	77,683	77,484	77,249	76,938	76,577	75,847	75,092	74,777	
Employment-population ratio	69.4	69.2	69.2	69	68.8	68.7	68.4	68.1	67.8	67.4	66.7	66.1	65.8	
Unemployed	4,041	4,250	4,262	4,695	4,837	5,146	5,306	5,636	5,954	6,089	6,491	6,771	7,217	
Unemployment rate	4.9	5.2	5.2	5.7	5.9	6.2	6.4	6.8	7.2	7.4	7.9	8.3	8.8	
Not in labor force	30,384	30,460	30,512	30,285	30,467	30,324	30,491	30,529	30,654	30,994	31,431	31,710	31,672	
<b>Men, 20 years and over</b>														
Civilian noninstitutional population (1)	103,961	104,052	104,152	104,258	104,371	104,490	104,613	104,741	104,869	104,978	105,083	104,902	104,999	
Civilian labor force	78,806	78,866	78,820	78,913	79,055	79,286	79,308	79,392	79,380	79,335	78,998	78,585	78,687	
Percent of population	75.8	75.8	75.7	75.7	75.7	75.9	75.8	75.8	75.7	75.6	75.2	74.9	74.9	
Employed	75,395	75,216	75,147	74,992	74,949	74,973	74,737	74,503	74,292	74,045	73,285	72,613	72,293	
Employment-population ratio	72.5	72.3	72.2	71.9	71.8	71.8	71.4	71.1	70.8	70.5	69.7	69.2	68.9	
Unemployed	3,412	3,650	3,673	3,921	4,106	4,313	4,572	4,889	5,088	5,290	5,714	5,972	6,394	
Unemployment rate	4.3	4.6	4.7	5	5.2	5.4	5.8	6.2	6.4	6.7	7.2	7.6	8.1	
Not in labor force	25,155	25,186	25,332	25,345	25,315	25,204	25,305	25,349	25,489	25,643	26,085	26,318	26,312	
<b>Women, 16 years and over</b>														
Civilian noninstitutional population (1)	120,213	120,300	120,396	120,495	120,598	120,710	120,825	120,946	121,066	121,168	121,266	121,166	121,247	
Civilian labor force	71,286	71,008	71,641	71,883	71,838	71,676	72,033	71,735	71,986	71,954	72,109	71,853	72,220	
Percent of population	59.3	59.5	59.5	59.7	59.6	59.4	59.6	59.3	59.5	59.4	59.5	59.3	59.6	
Employed	67,904	68,038	68,228	68,042	68,012	67,913	67,789	67,780	67,720	67,567	67,491	67,007	66,970	
Employment-population ratio	56.5	56.6	56.7	56.5	56.4	56.3	56.1	56	55.9	55.8	55.7	55.3	55.2	
Unemployed	3,382	3,570	3,413	3,841	3,825	3,763	4,244	3,956	4,267	4,387	4,618	4,845	5,250	
Unemployment rate	4.7	5	4.8	5.3	5.3	5.3	5.9	5.5	5.9	6.1	6.4	6.7	7.3	
Not in labor force	48,927	48,692	48,754	48,610	48,760	49,034	48,792	49,210	49,080	49,214	49,157	49,313	49,027	
<b>Women, 20 years and over</b>														
Civilian noninstitutional population (1)	111,822	111,902	111,990	112,083	112,183	112,290	112,401	112,518	112,633	112,731	112,825	112,738	112,824	
Civilian labor force	67,879	68,174	68,118	68,367	68,421	68,273	68,666	68,385	68,700	68,753	68,891	68,584	68,917	
Percent of population	60.7	60.9	60.8	61	60.8	60.8	61.1	60.8	61	61.1	61.1	60.8	61.1	
Employed	64,993	65,079	65,196	65,114	65,169	65,103	65,003	65,008	64,975	64,902	64,860	64,298	64,271	
Employment-population ratio	58.1	58.2	58.2	58.1	58.1	58	57.8	57.8	57.7	57.6	57.5	57	57	
Unemployed	2,886	3,095	2,923	3,252	3,252	3,170	3,662	3,377	3,725	3,851	4,031	4,286	4,646	
Unemployment rate	4.3	4.5	4.3	4.8	4.8	4.6	5.3	4.9	5.4	5.6	5.9	6.2	6.7	
Not in labor force	43,943	43,728	43,872	43,716	43,762	44,017	43,736	44,133	43,933	43,978	43,935	44,154	43,907	
<b>Both sexes, 16 to 19 years</b>														
Civilian noninstitutional population (1)	17,027	17,041	17,056	17,064	17,073	17,084	17,092	17,101	17,110	17,118	17,126	17,098	17,090	
Civilian labor force	6,813	6,803	6,993	7,231	6,924	6,947	6,849	6,844	6,799	6,531	6,557	6,547	6,610	
Percent of population	40	39.9	41	42.4	40.6	40.7	40.1	40	39.7	38.2	38.3	38.3	38.7	
Employed	5,688	5,729	5,914	5,868	5,620	5,520	5,533	5,518	5,390	5,196	5,194	5,188	5,184	
Employment-population ratio	33.4	33.6	34.7	34.4	32.9	32.3	32.4	32.3	31.5	30.4	30.3	30.3	30.3	
Unemployed	1,125	1,075	1,079	1,363	1,304	1,427	1,316	1,326	1,408	1,335	1,363	1,359	1,427	
Unemployment rate	16.3	15.8	15.4	18.9	18.8	20.5	19.2	19.4	20.7	20.4	20.8	20.8	21.6	
Not in labor force	10,214	10,237	10,063	9,834	10,149	10,137	10,243	10,257	10,311	10,587	10,568	10,551	10,480	

1 The population figures are not adjusted for seasonal variation.

NOTE: Updated population controls are introduced annually with the release of January data.

<http://www.bls.gov/web/spoc/a3.pdf>

## **Attachment 4**

### **ARRA General Plant Projects Project Management Plan**

**(Please see file attached:  
LBNL ARRA GPP PMP 7.24.09.pdf)**